
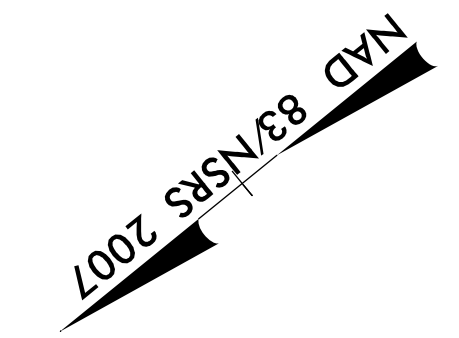


IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C,
UTILIZE FABRIC INSERT INLET PROTECTION
DEVICES IN AREAS WHERE WATER MAY
POND ON ROAD OPEN TO LIVE TRAFFIC.

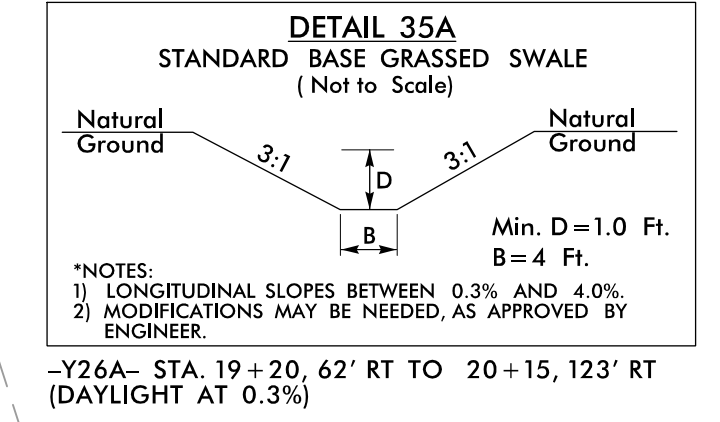
PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-38/CONST.35
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

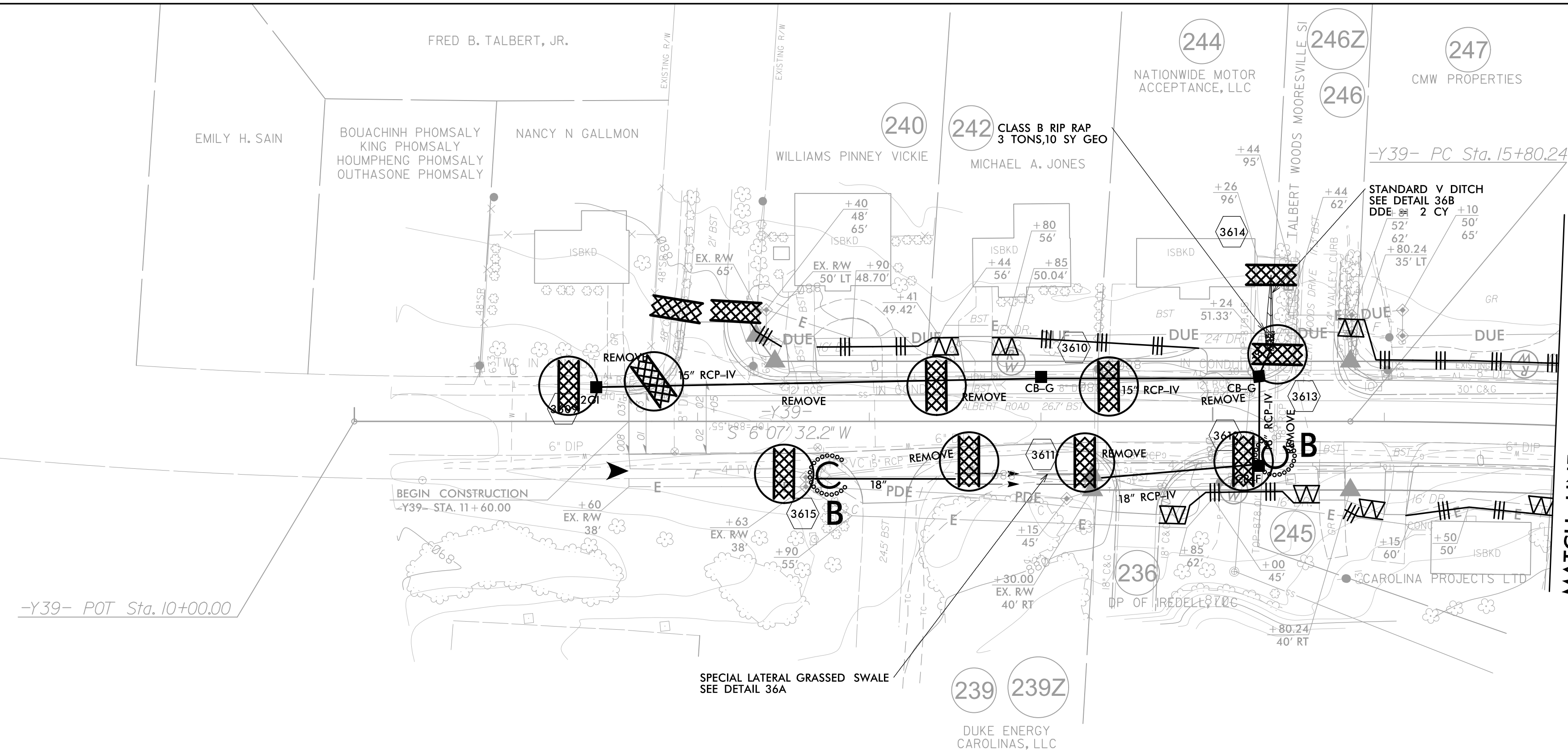
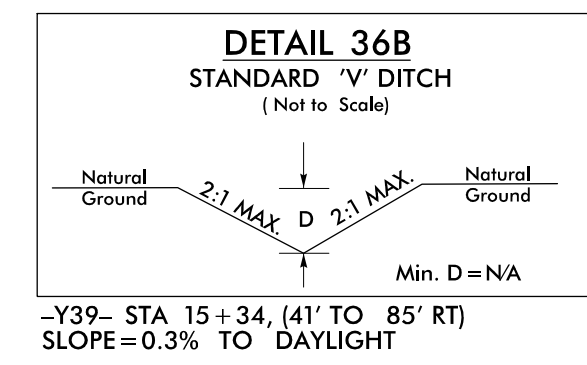
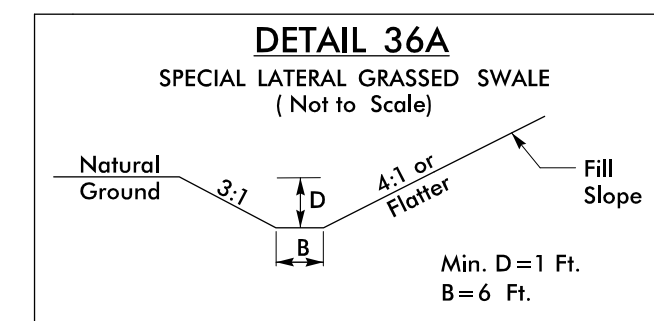


MATCH LINE -Y26A- STA. 13+00
SEE SHEET NO. 24

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 35

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

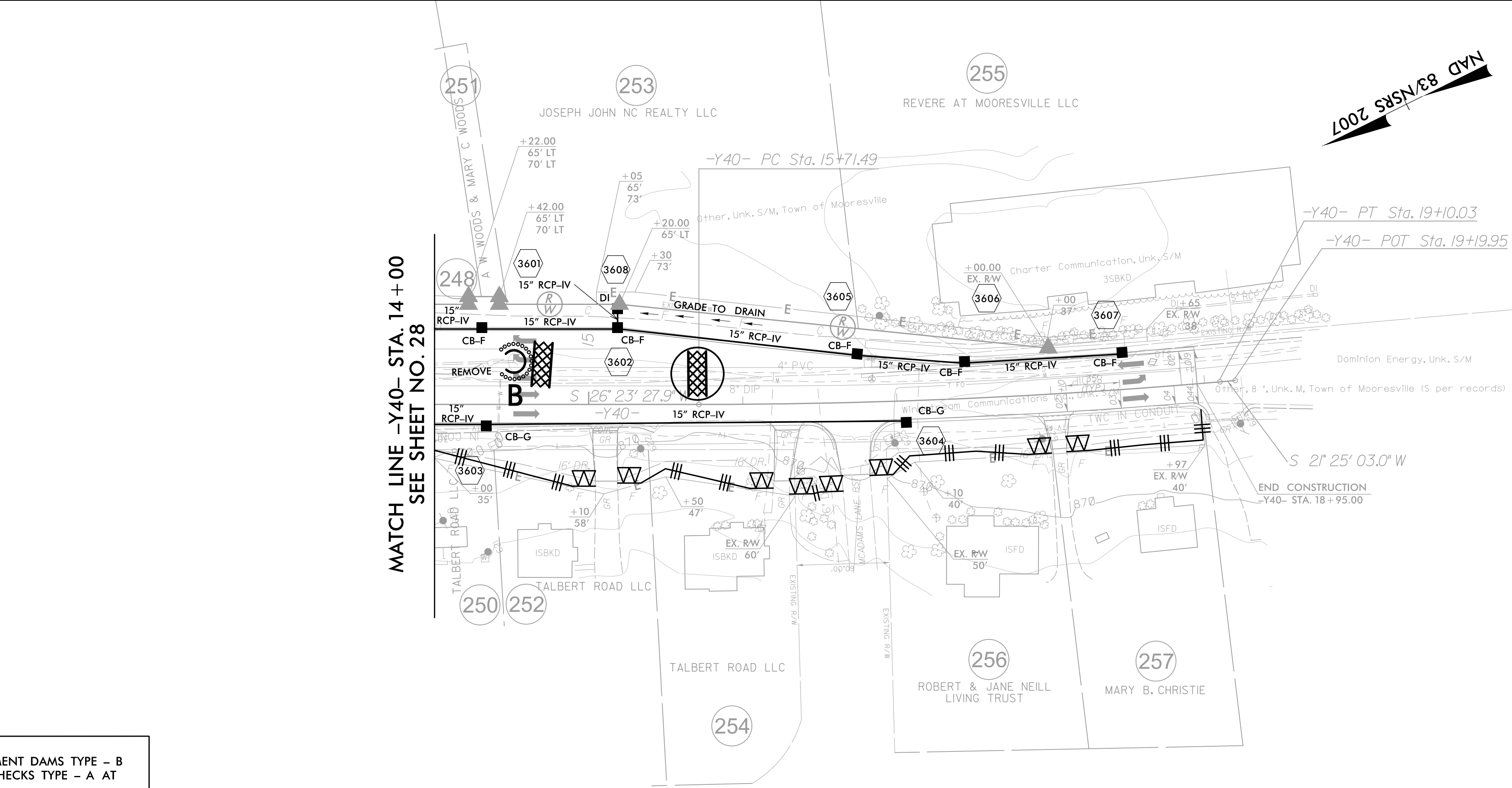




NAD 83/NRS 2007

MATCH LINE -Y39- STA. 17+00
SEE SHEET NO. 28

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-39/CONST.36
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



NAD 83/NRS 2007

MATCH LINE -Y40- STA. 14+00
SEE SHEET NO. 28


- 248 MOORESVILLE SAVINGS BANK
- 250 TALBERT ROAD LLC
- 251 A W WOODS & MARY C WOODS
- 252 TALBERT ROAD LLC

CLEARING AND GRUBBING
EROSION CONTROL FOR
CONSTRUCTION SHEET 36

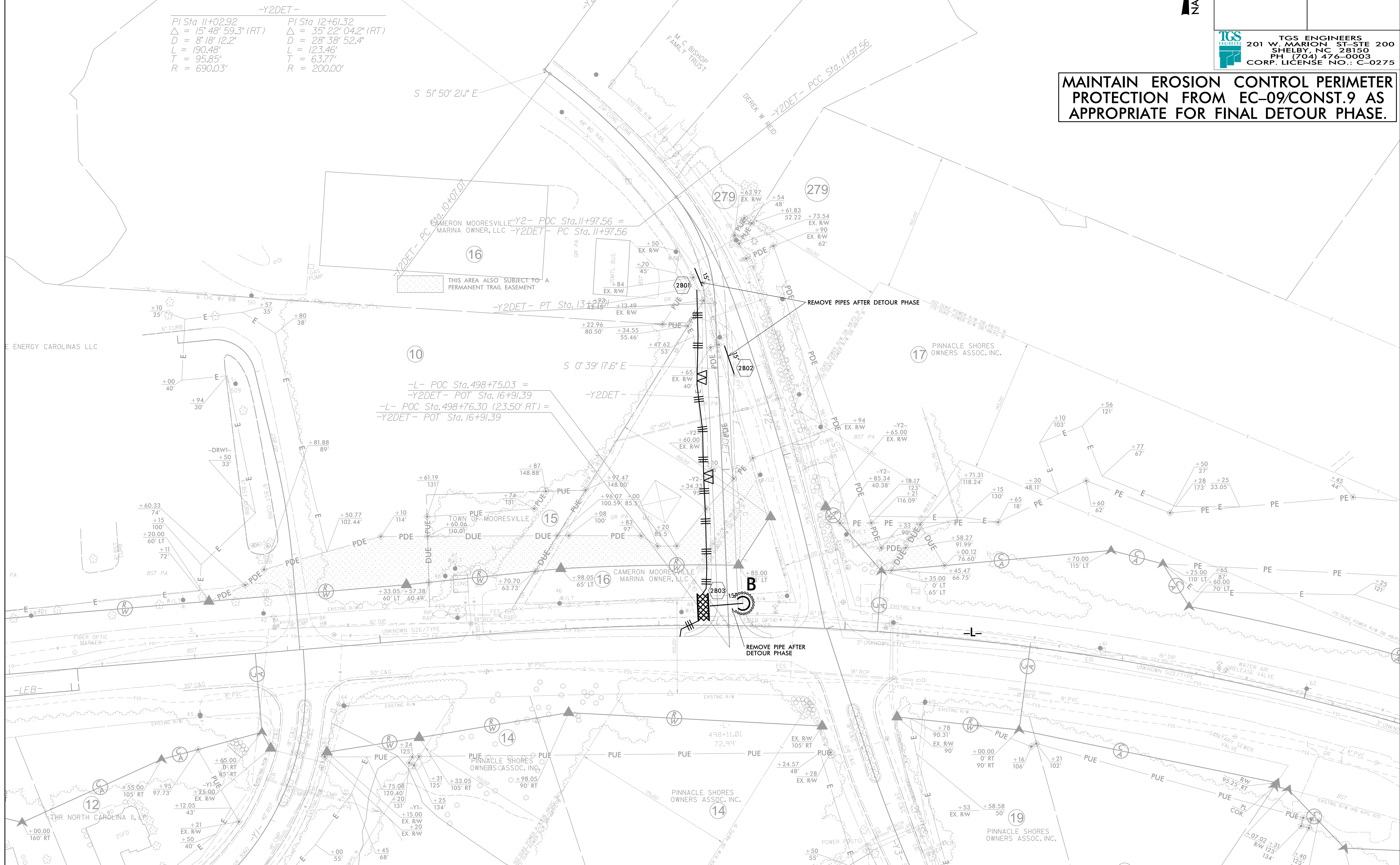
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT
DRAINAGE OUTLETS.

DETOUR

NAD 83/NSRS 2007

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-39A/CONST.2B-04
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

MAINTAIN EROSION CONTROL PERIMETER PROTECTION FROM EC-09/CONST.9 AS APPROPRIATE FOR FINAL DETOUR PHASE.



-Y2DET-

PI Sta. 11+02.92	PI Sta. 12+61.32
$\Delta = 15^{\circ} 48' 59.3''$ (RT)	$\Delta = 35^{\circ} 22' 04.2''$ (RT)
$D = 8' 18'' 12.2''$	$D = 28' 38'' 52.4''$
$L = 190.48'$	$L = 123.46'$
$T = 95.85'$	$T = 63.77'$
$R = 690.03'$	$R = 200.00'$

-L- POC Sta. 498+75.03 =
 -Y2DET- POT Sta. 16+91.39
 -L- POC Sta. 498+76.30 (23.50' RT) =
 -Y2DET- POT Sta. 16+91.39

REMOVE PIPE AFTER DETOUR PHASE

REMOVE PIPES AFTER DETOUR PHASE

THIS AREA ALSO SUBJECT TO A PERMANENT TRAIL EASEMENT

DETOUR

-Y9DET-
 PI Sta 11+66.99 PI Sta 13+45.72
 $\Delta = 32' 20'' 06.4''$ (RT) $\Delta = 5' 27'' 19.1''$ (LT)
 $D = 28' 38'' 52.4''$ $D = 4' 16'' 32.9''$
 $L = 112.87'$ $L = 127.59'$
 $T = 57.98'$ $T = 63.84'$
 $R = 200.00'$ $R = 1,340.00'$
 SE = MATCH EXIST. SE = SEE PLANS
 V = 25 mph V = STOP CONDITION

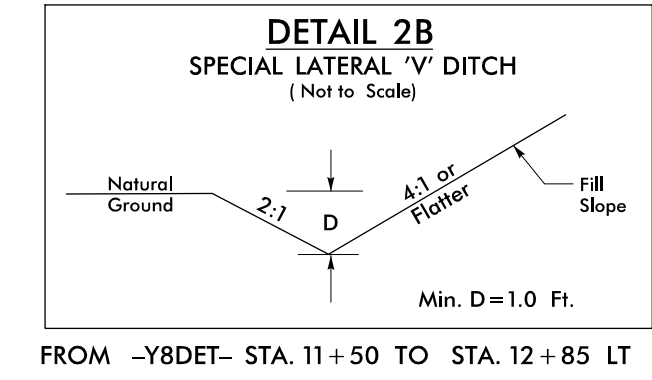
THIS AREA ALSO SUBJECT TO A PERMANENT TRAIL EASEMENT

STEVEN J. HARTLE AND WIFE
 ASHLEY PRICE HARTLE

CAROLINA WATER SERVICES INC

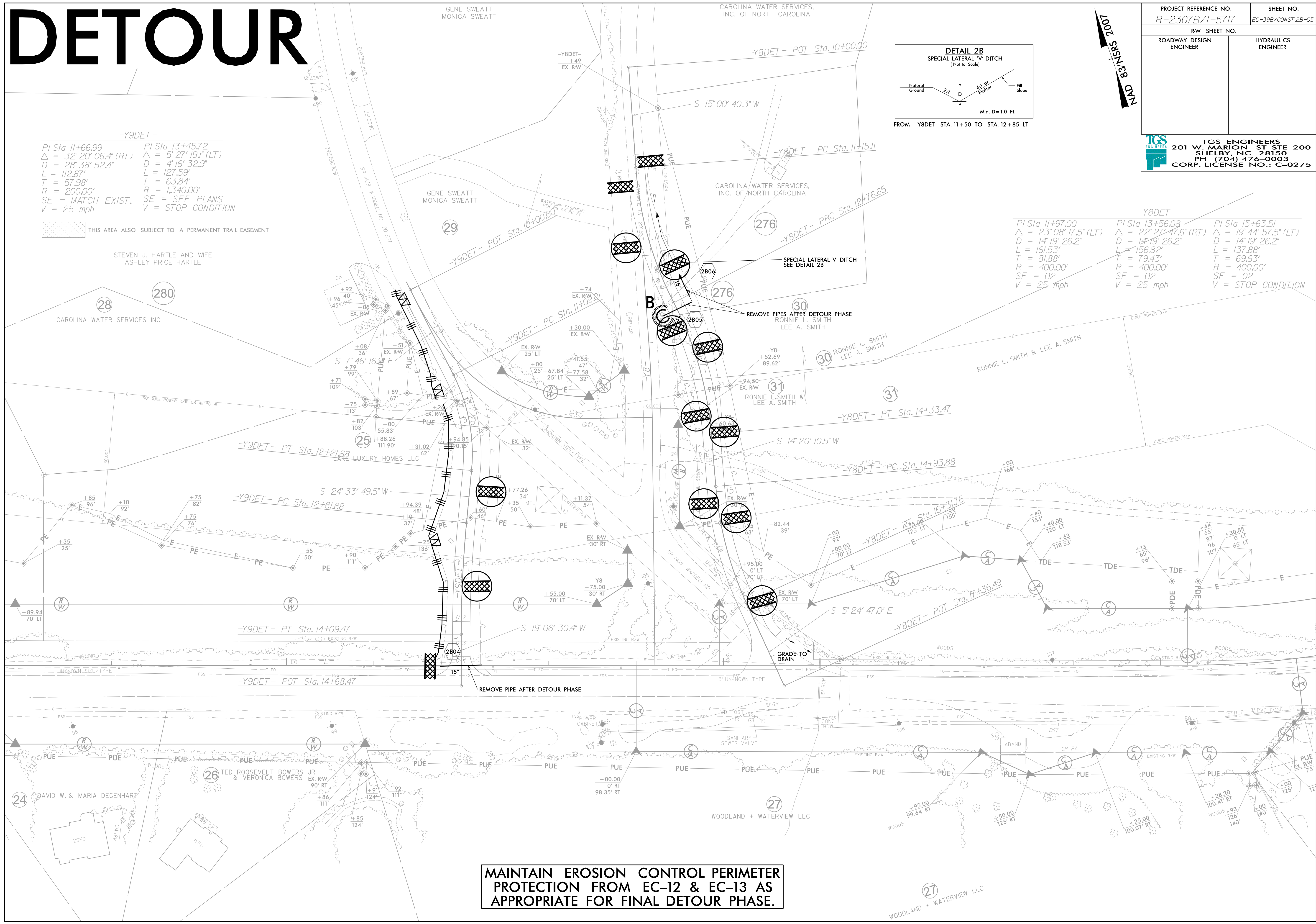
GENE SWEATT
 MONICA SWEATT

CAROLINA WATER SERVICES,
 INC. OF NORTH CAROLINA



FROM -Y8DET- STA. 11+50 TO STA. 12+85 LT

-Y8DET-
 PI Sta 11+97.00 PI Sta 13+56.08 PI Sta 15+63.51
 $\Delta = 23' 08'' 17.5''$ (LT) $\Delta = 22' 27'' 47.6''$ (RT) $\Delta = 19' 44'' 57.5''$ (LT)
 $D = 14' 19'' 26.2''$ $D = 14' 19'' 26.2''$ $D = 14' 19'' 26.2''$
 $L = 161.53'$ $L = 156.82'$ $L = 137.88'$
 $T = 81.88'$ $T = 79.43'$ $T = 69.63'$
 $R = 400.00'$ $R = 400.00'$ $R = 400.00'$
 SE = 02 SE = 02 SE = 02
 V = 25 mph V = 25 mph V = STOP CONDITION



**MAINTAIN EROSION CONTROL PERIMETER
 PROTECTION FROM EC-12 & EC-13 AS
 APPROPRIATE FOR FINAL DETOUR PHASE.**

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-39B/CONST.2B-05
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

DETOUR

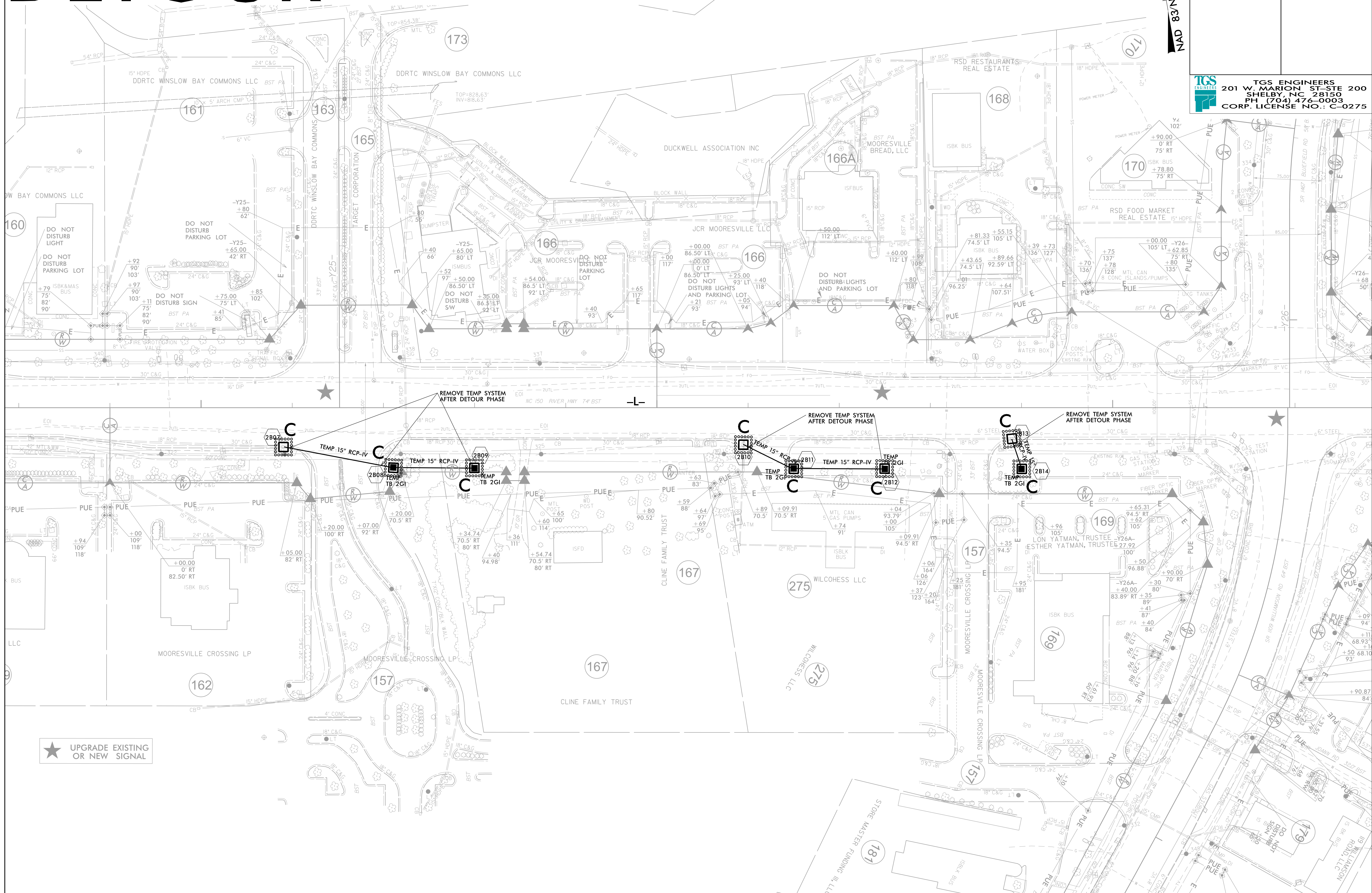
MAINTAIN EROSION CONTROL PERIMETER PROTECTION FROM EC-23 & EC-24 AS APPROPRIATE FOR FINAL DETOUR PHASE.

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

NAD 83/NSRS 2007

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-39C/CONST.23&24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
 201 W. MARION ST. STE 200
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275



★ UPGRADE EXISTING OR NEW SIGNAL

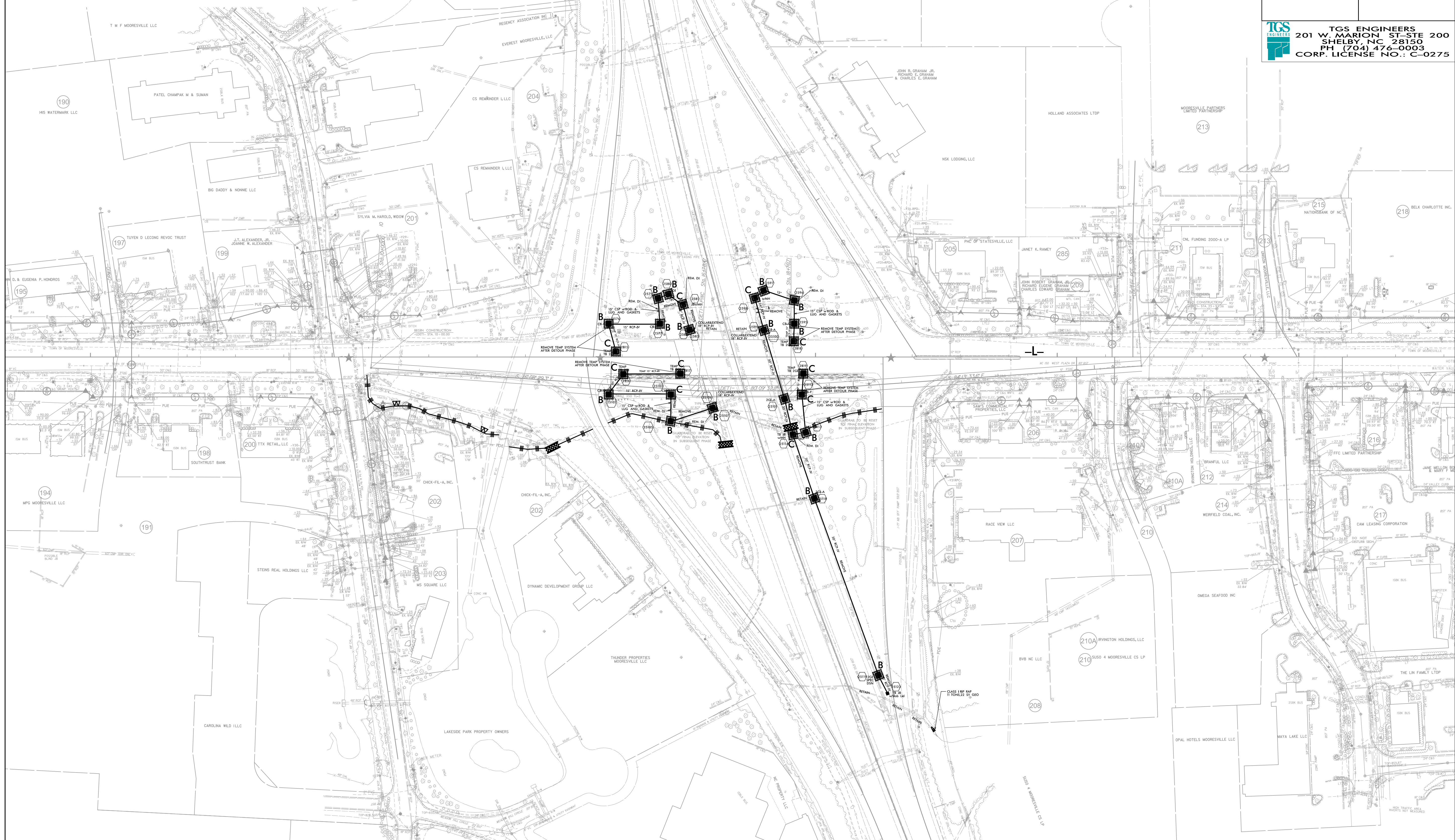
DETOUR

MAINTAIN EROSION CONTROL PERIMETER PROTECTION FROM EC-25/CONST.25 AS APPROPRIATE FOR FINAL DETOUR PHASE.

2007 SITES 38 DAM

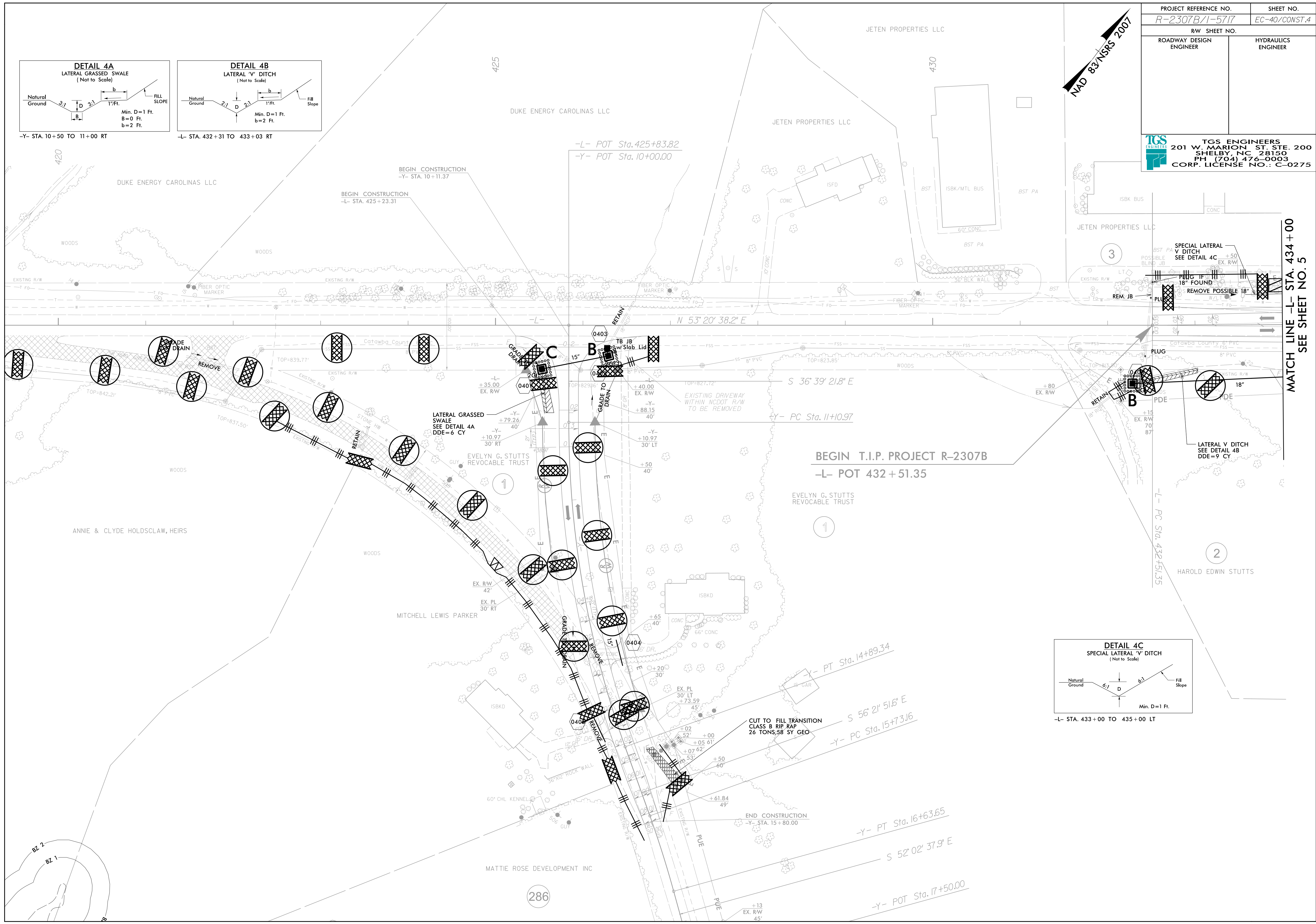
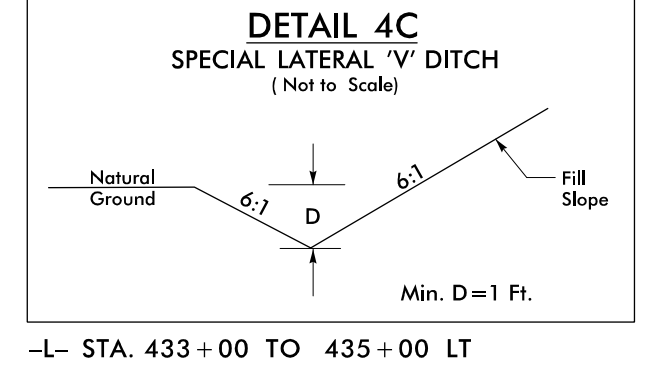
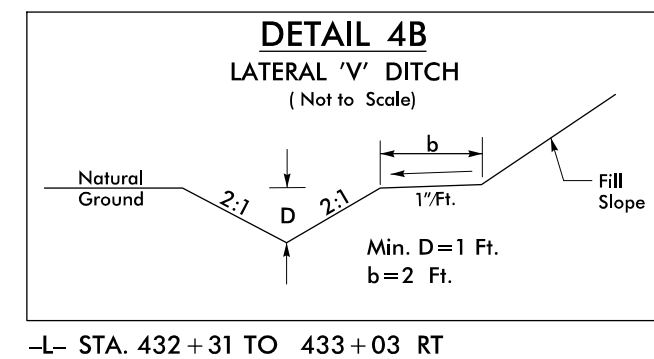
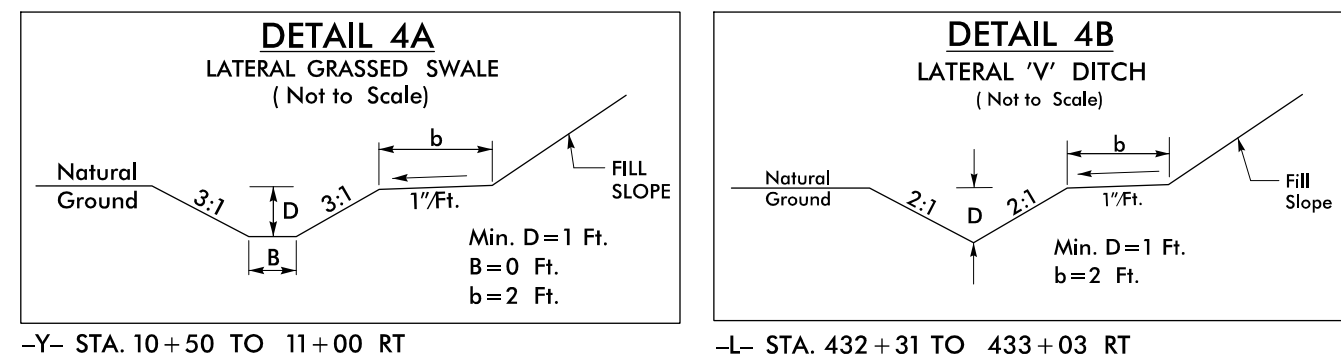
PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-39D/CONST.2B-06
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
201 W. MARION ST. STE 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275




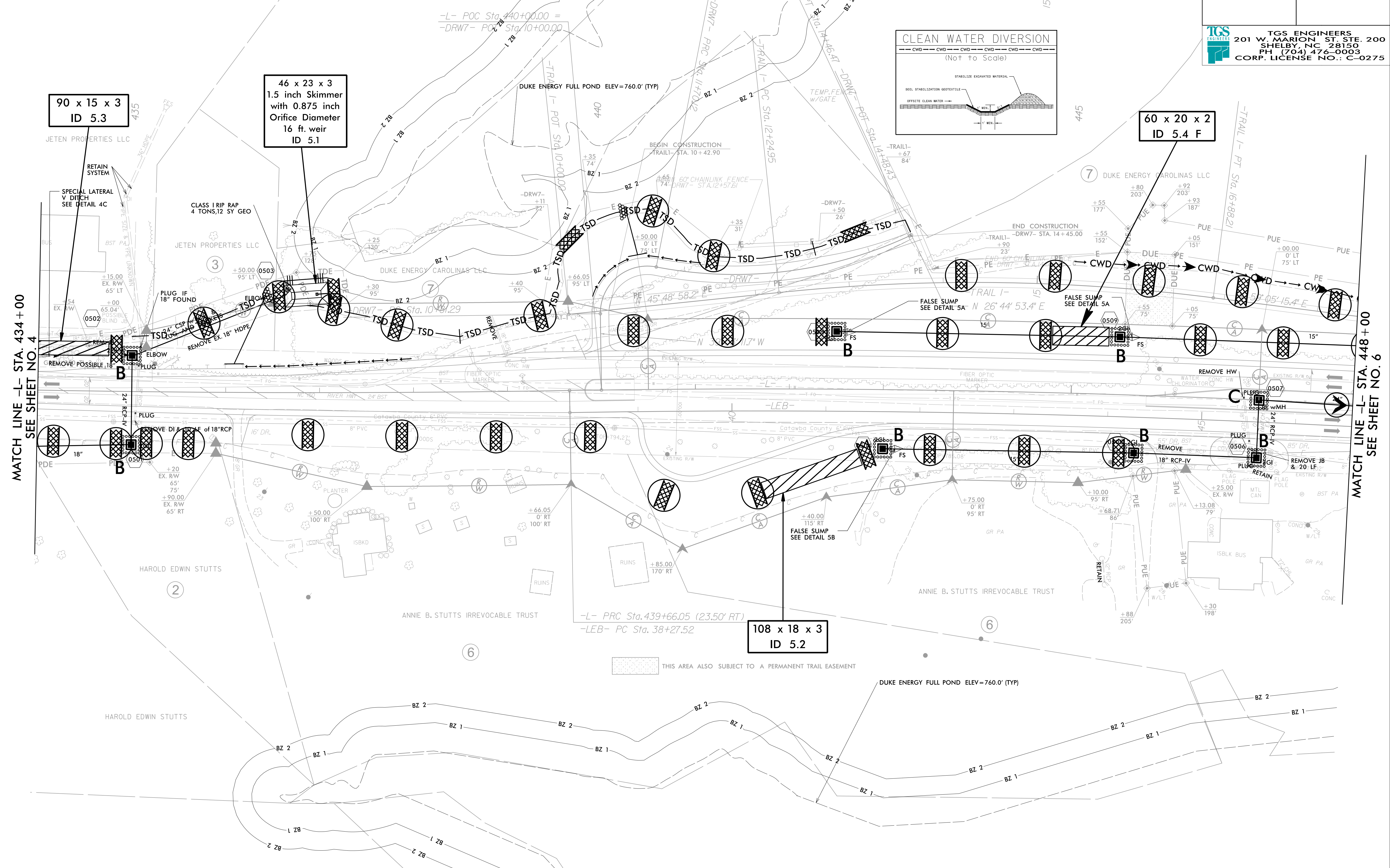
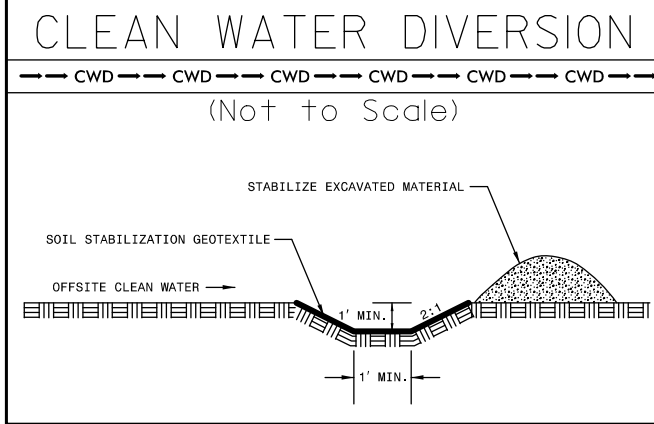
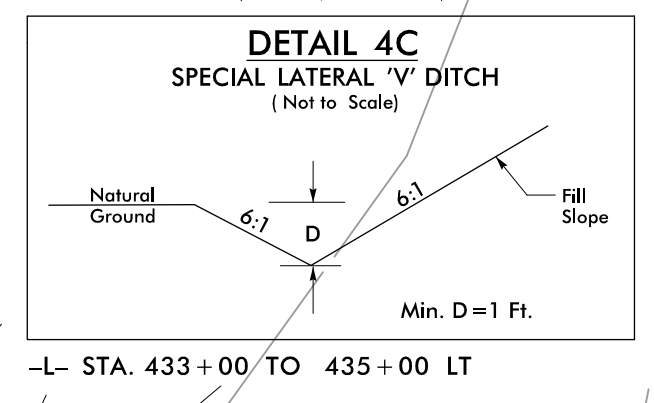
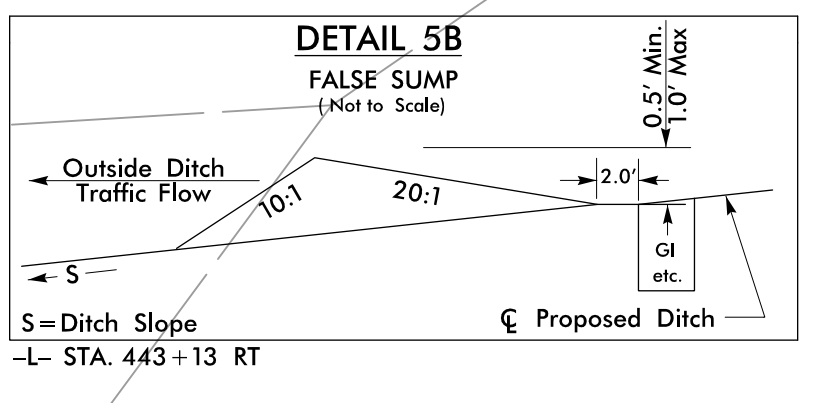
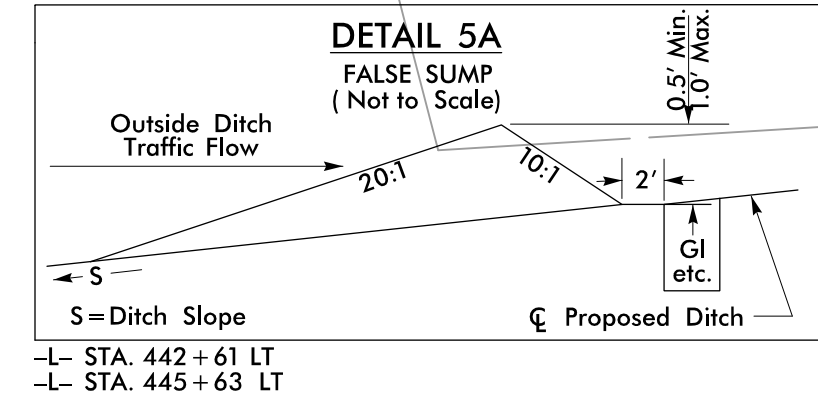
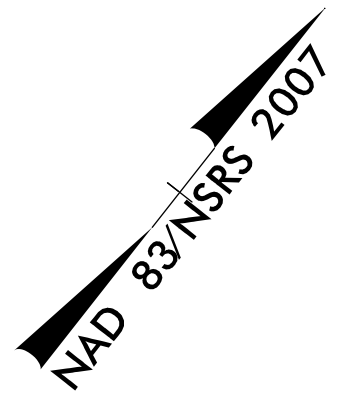
IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

NAD 83/NSRS 2007



MATCH LINE -L- STA. 434+00
SEE SHEET NO. 5

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-4/CONST.5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



MATCH LINE -L- STA. 434+00
SEE SHEET NO. 4

MATCH LINE -L- STA. 448+00
SEE SHEET NO. 6

THIS AREA ALSO SUBJECT TO A PERMANENT TRAIL EASEMENT

-L- PRC Sta. 439+66.05 (23.50' RT)
-LEB- PC Sta. 38+27.52

DUKE ENERGY FULL POND ELEV=760.0' (TYP)

FALSE SUMP
SEE DETAIL 5B

FALSE SUMP
SEE DETAIL 5A

FALSE SUMP
SEE DETAIL 5A

PLUG IF
18" FOUND

REMOVE EX. 18" HDPE

REMOVE DI. 18" of 18" RCP

HAROLD EDWIN STUTTS

ANNIE B. STUTTS IRREVOCABLE TRUST

ANNIE B. STUTTS IRREVOCABLE TRUST

REMOVE JB & 20' LF

REMOVE HW

REMOVE 18" RCP-IV

REMOVE 8" PVC

REMOVE 24" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

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REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

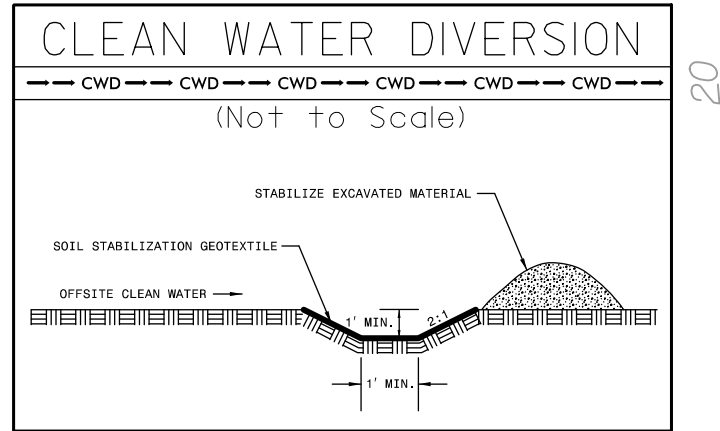
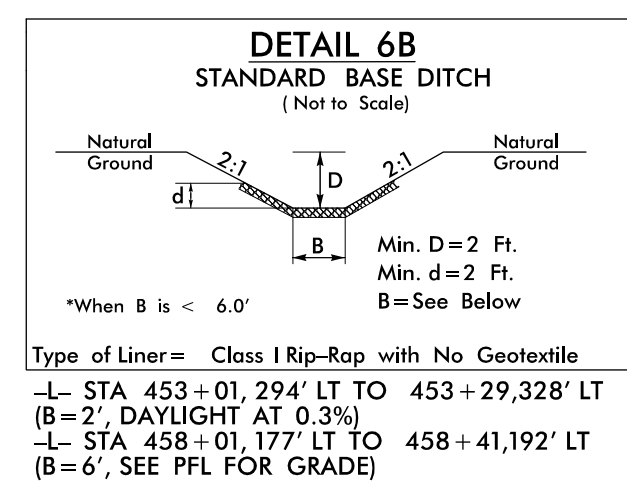
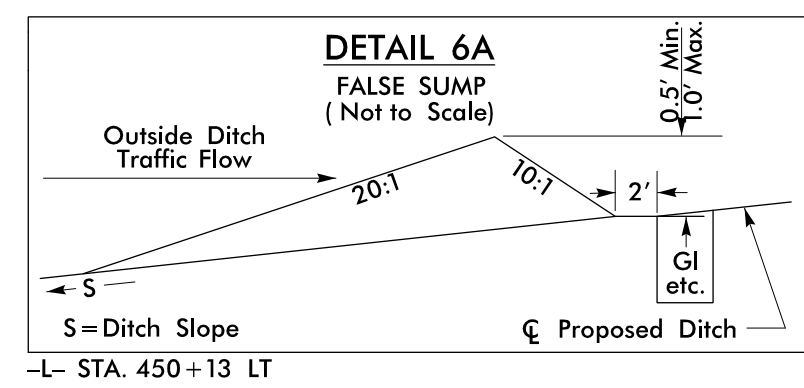
REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

REMOVE 18" RCP-IV

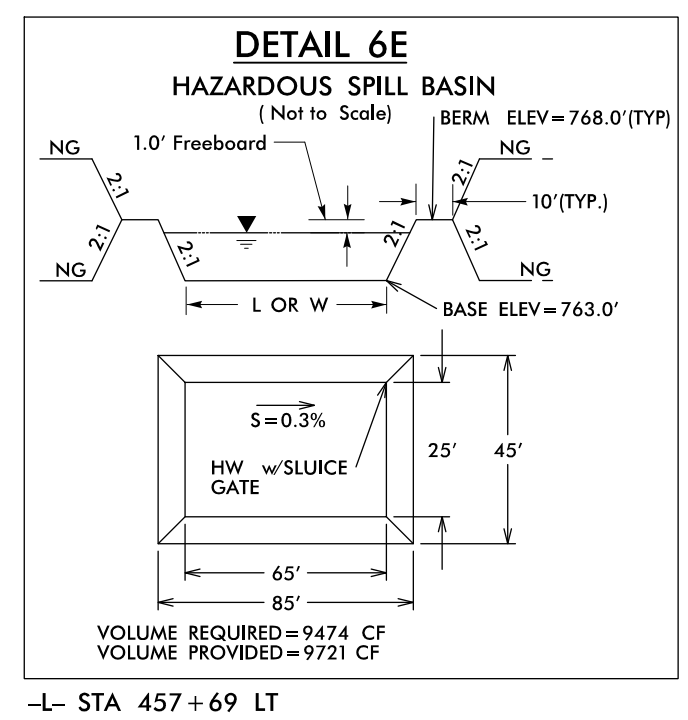
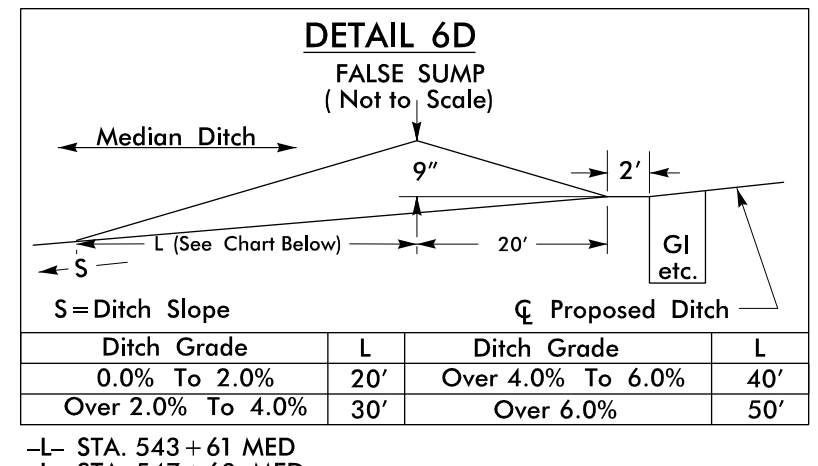
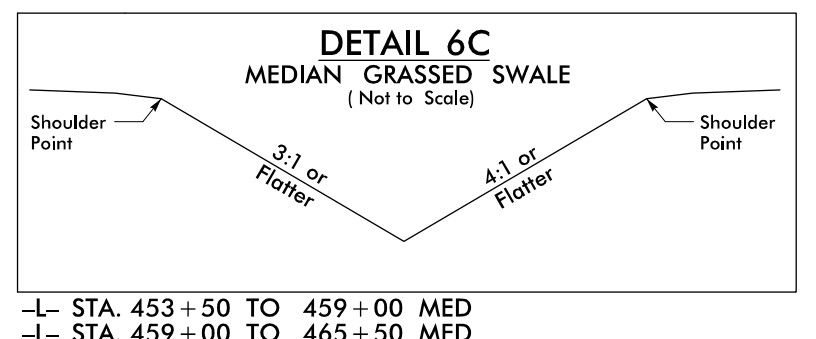
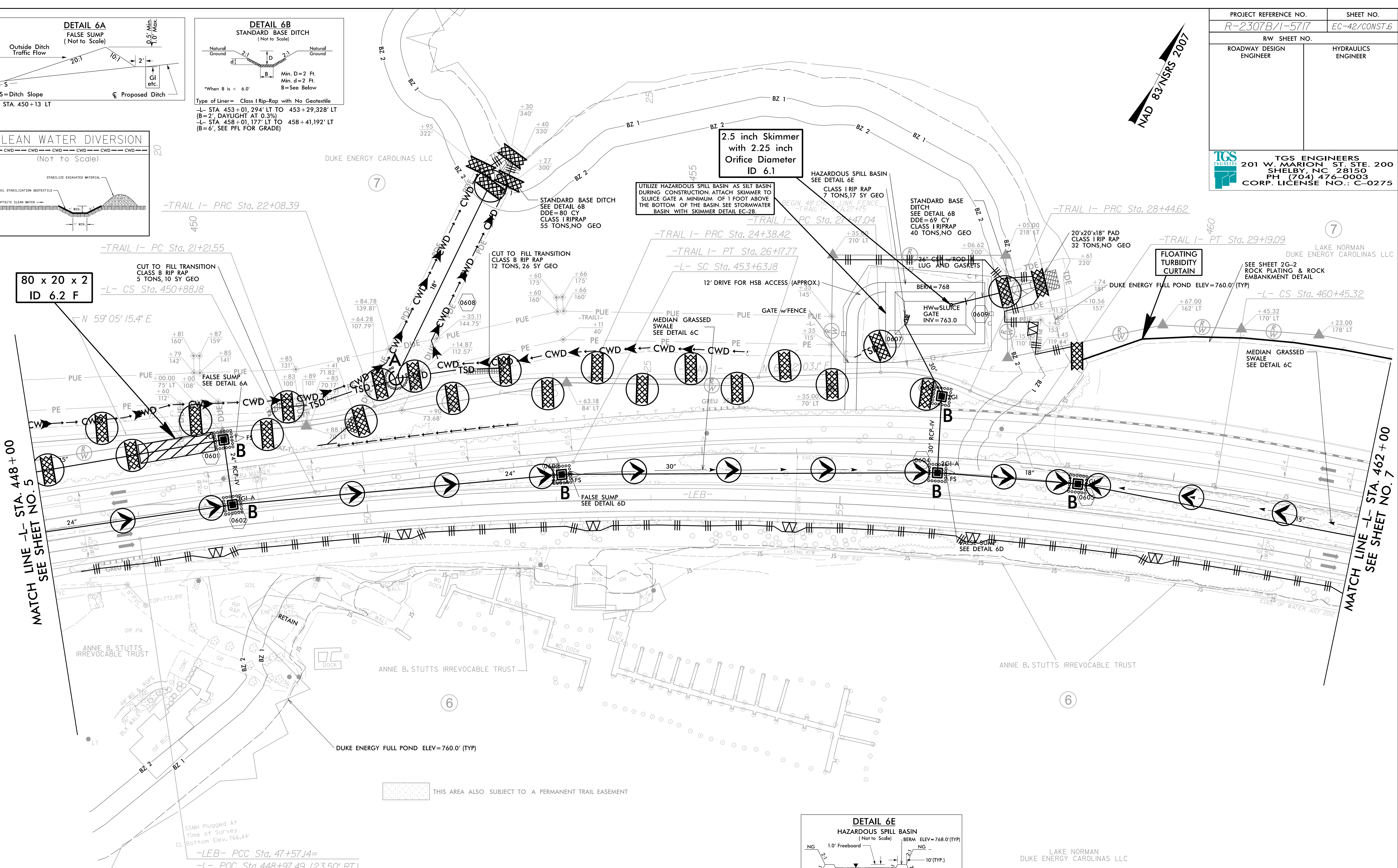
REMOVE 18" RCP-IV



80 x 20 x 2
ID 6.2 F

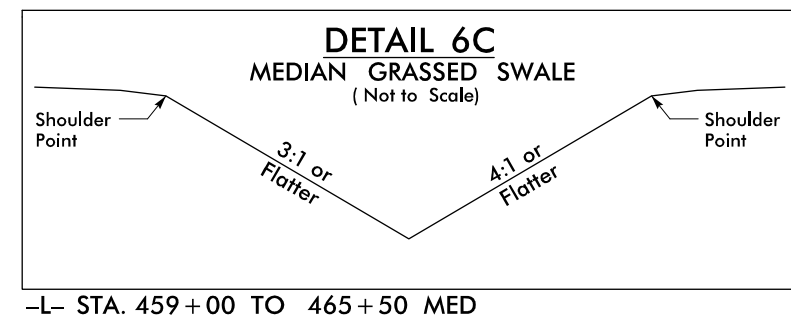
MATCH LINE -L- STA. 448+00
SEE SHEET NO. 5

MATCH LINE -L- STA. 462+00
SEE SHEET NO. 7



LAKE NORMAN
DUKE ENERGY CAROLINAS LLC

NAD 83 NSRS 2007

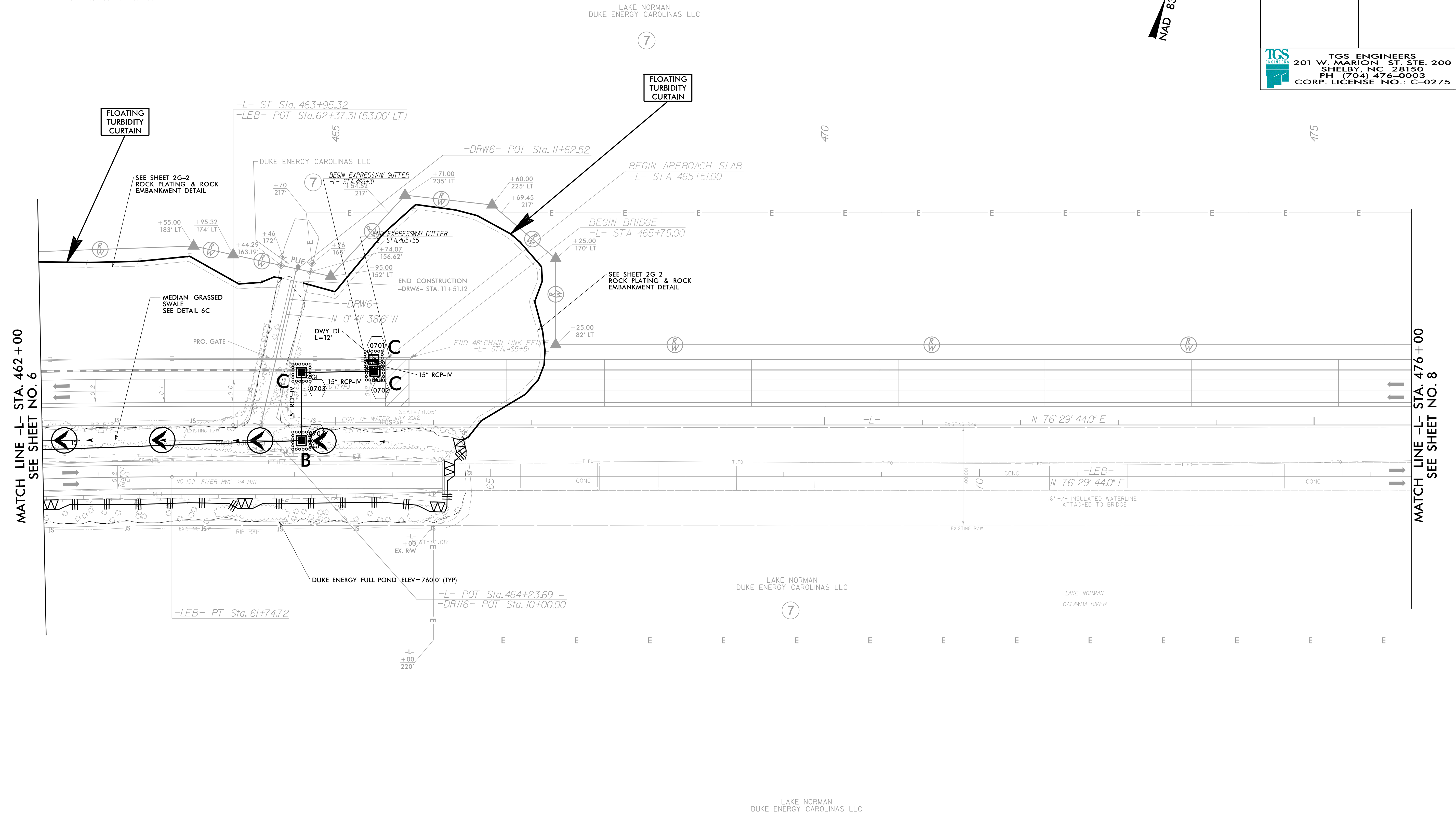


-L- STA. 459+00 TO 465+50 MED

PROJECT REFERENCE NO. <i>R-2307B/1-5717</i>	SHEET NO. <i>EC-43/CONST.7</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
 201 W. MARION ST. STE. 200
 SHELBY, NC 28150
 PH (704) 476-0003
 CORP. LICENSE NO.: C-0275

NAD 83/NSRS 2007



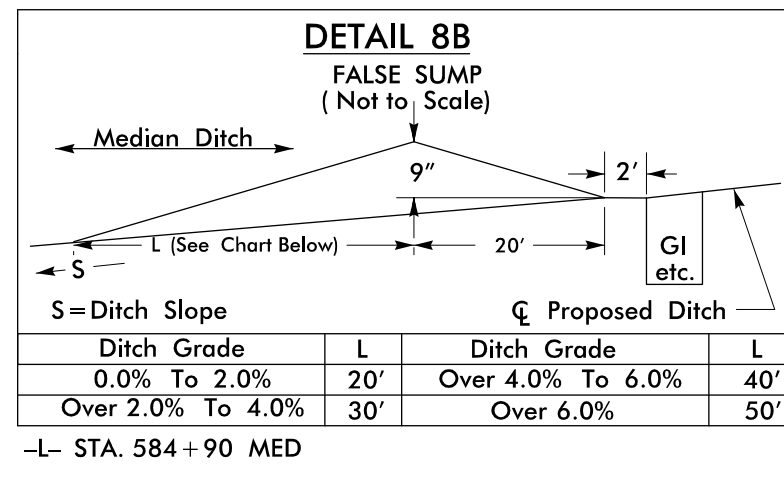
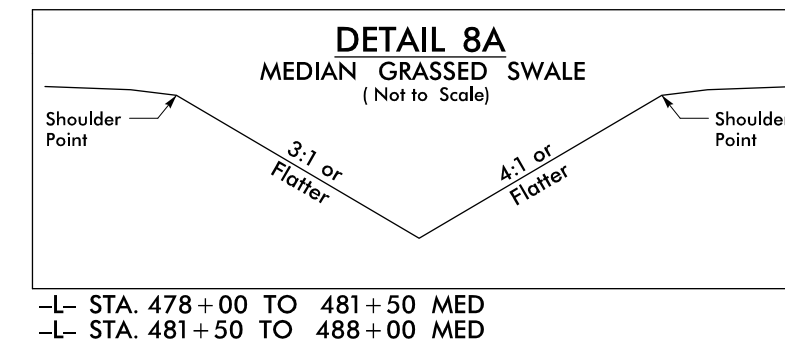
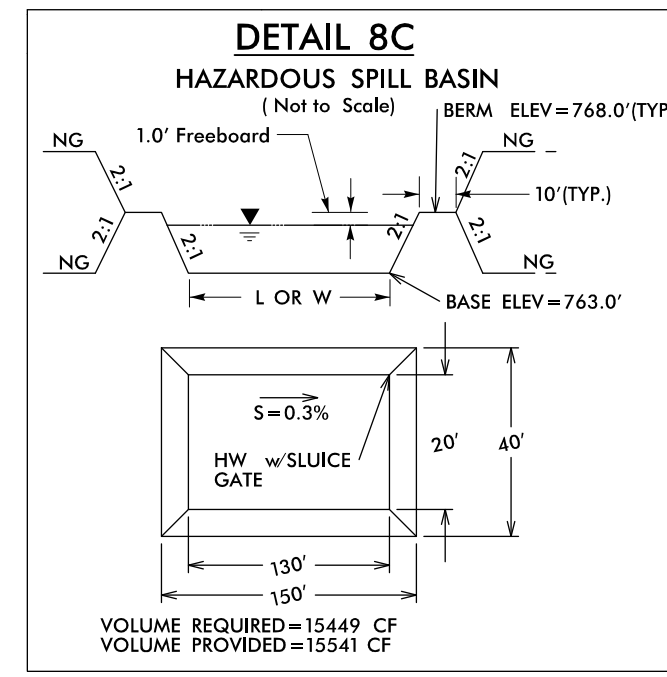
MATCH LINE -L- STA. 462 + 00
SEE SHEET NO. 6

MATCH LINE -L- STA. 476 + 00
SEE SHEET NO. 8

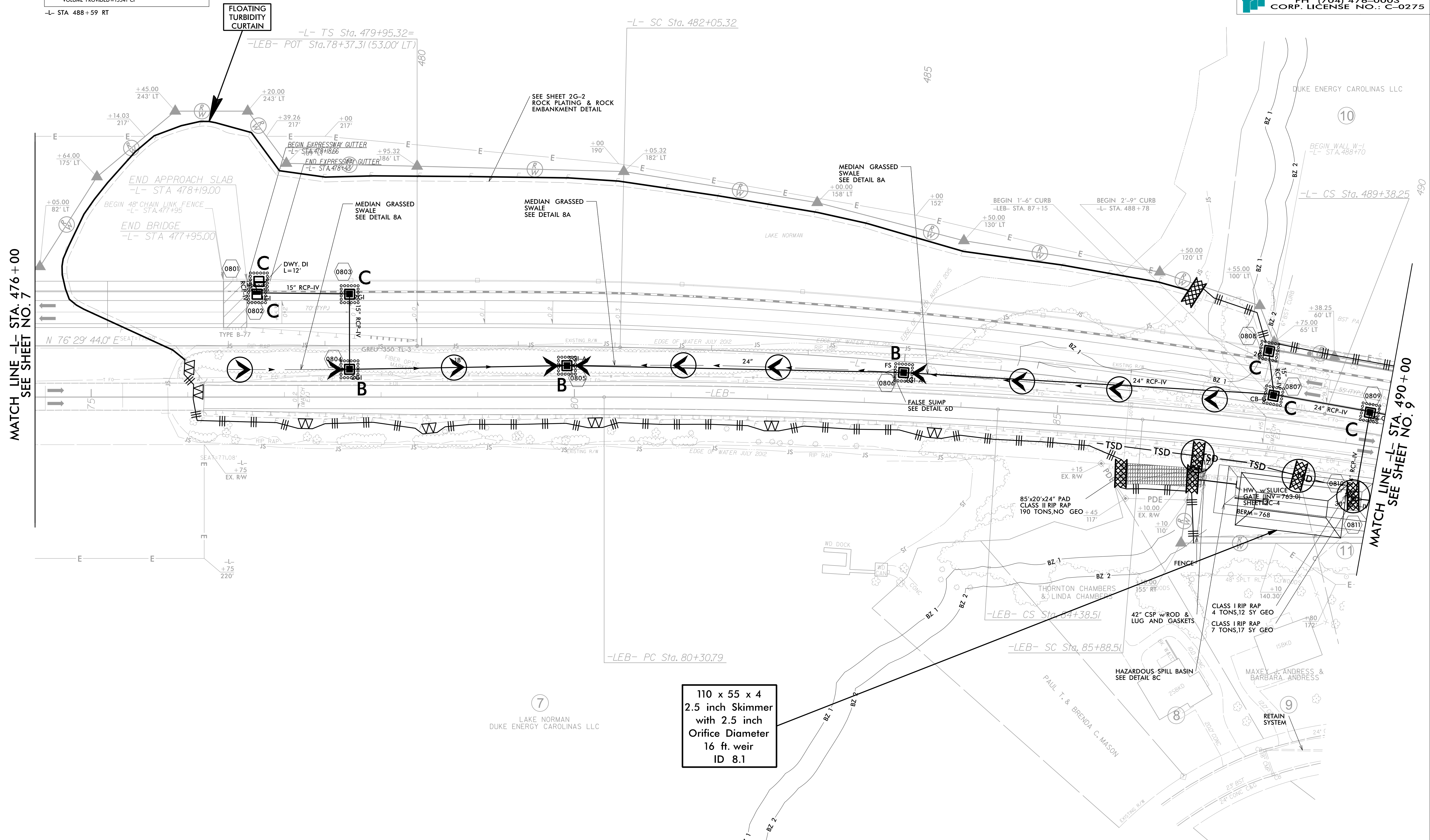
LAKE NORMAN
DUKE ENERGY CAROLINAS LLC

LAKE NORMAN
DUKE ENERGY CAROLINAS LLC

LAKE NORMAN
CATAWBA RIVER



NAD 83 NSRS 2007



110 x 55 x 4
2.5 inch Skimmer
with 2.5 inch
Orifice Diameter
16 ft. weir
ID 8.1

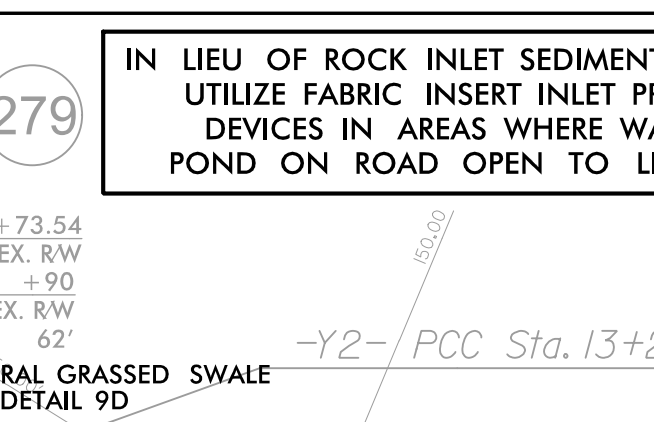
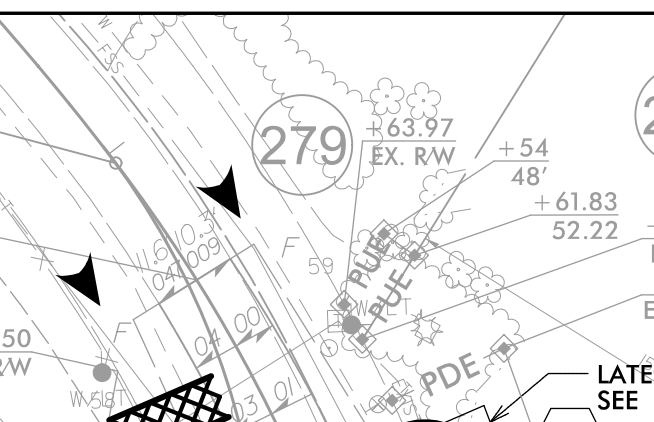
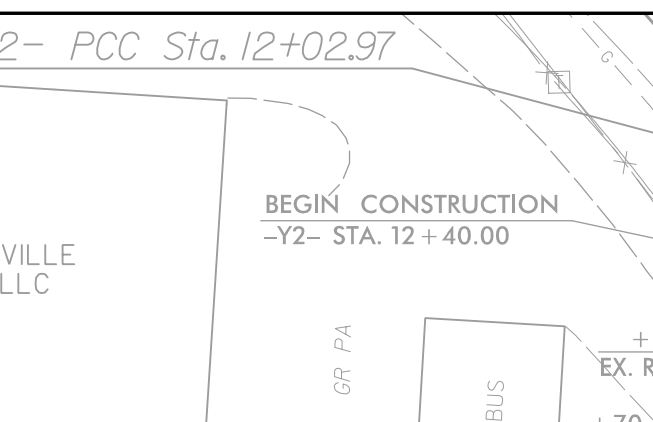
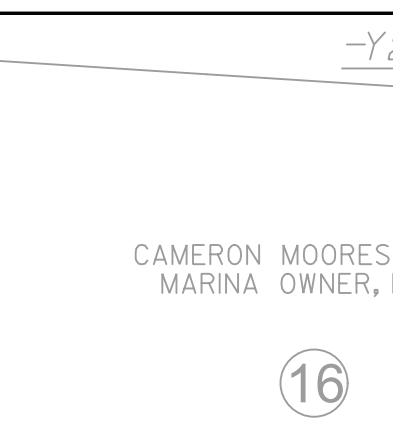
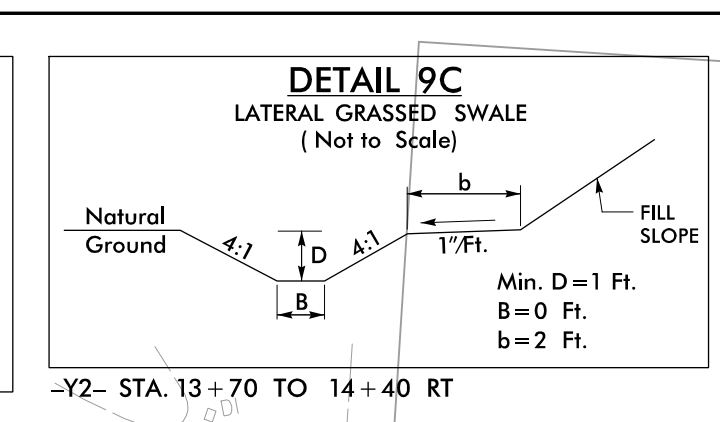
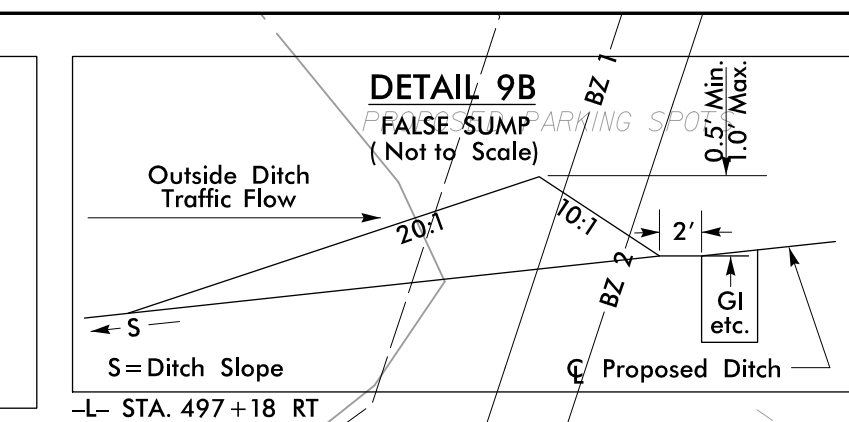
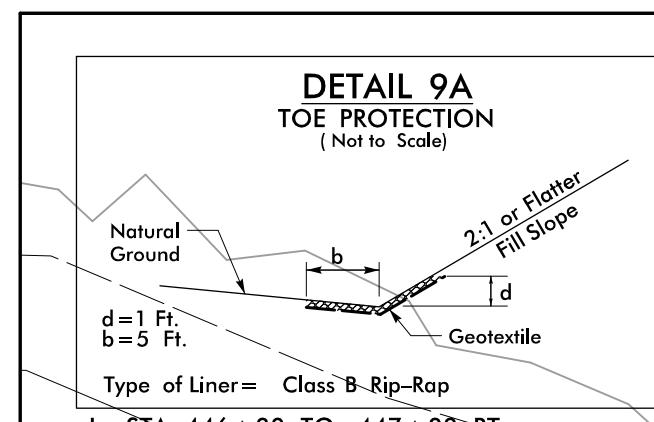
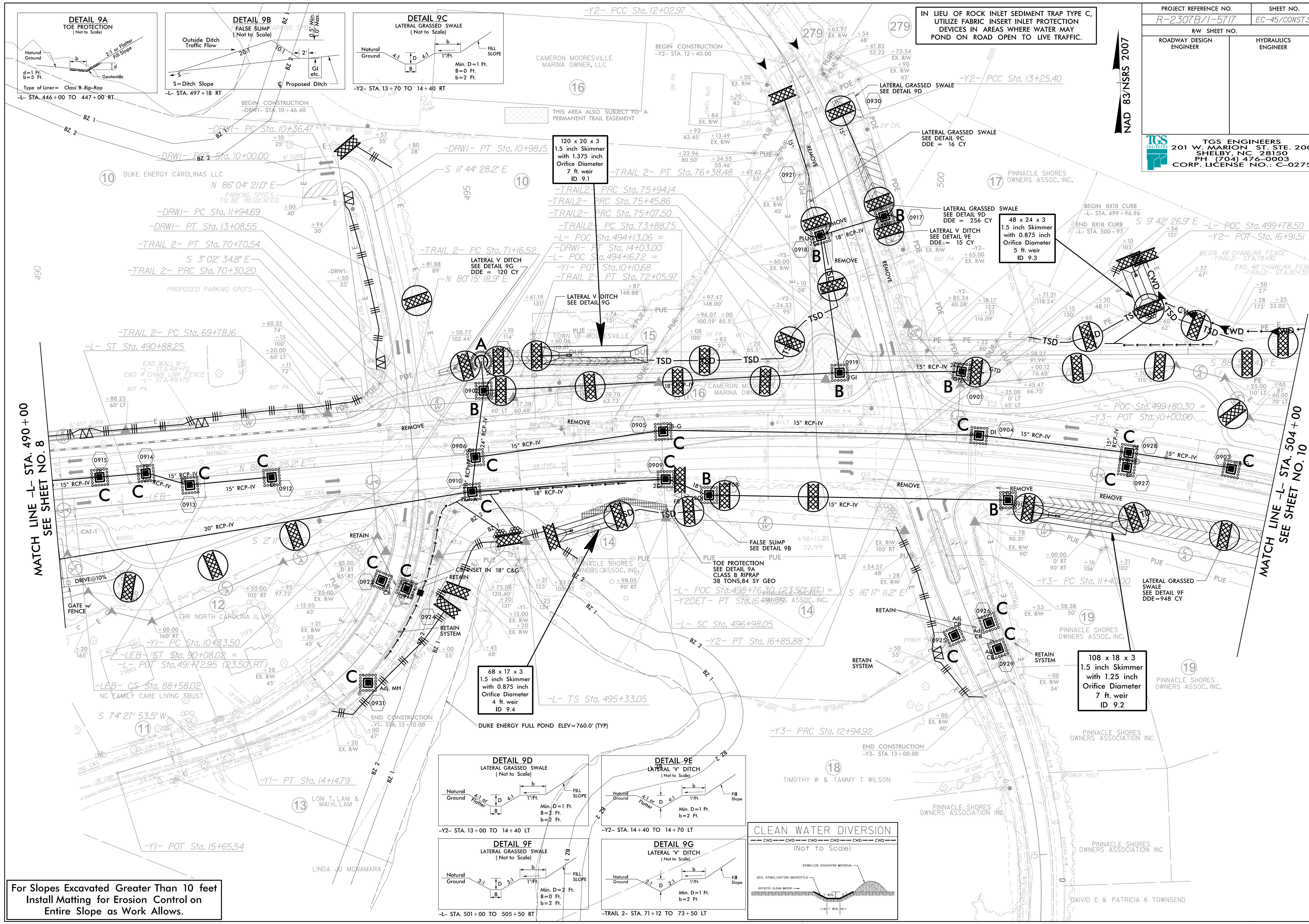
LAKE NORMAN
DUKE ENERGY CAROLINAS LLC

THORNTON CHAMBERS & LINDA CHAMBERS
MAXEY J. ANDRESS & BARBARA ANDRESS

HAZARDOUS SPILL BASIN
SEE DETAIL 8C

MATCH LINE -L- STA. 476+00
SEE SHEET NO. 7

MATCH LINE -L- STA. 490+00
SEE SHEET NO. 9



IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-45/CONST.9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

MATCH LINE -L- STA. 490+00
SEE SHEET NO. 8

MATCH LINE -L- STA. 504+00
SEE SHEET NO. 10

For Slopes Excavated Greater Than 10 feet
Install Matting for Erosion Control on
Entire Slope as Work Allows.

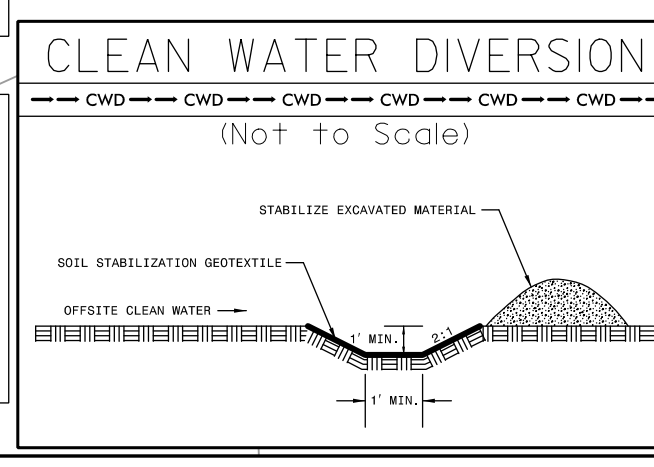
68 x 17 x 3
1.5 inch Skimmer
with 0.875 inch
Orifice Diameter
4 ft. weir
ID 9.4

108 x 18 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
7 ft. weir
ID 9.2

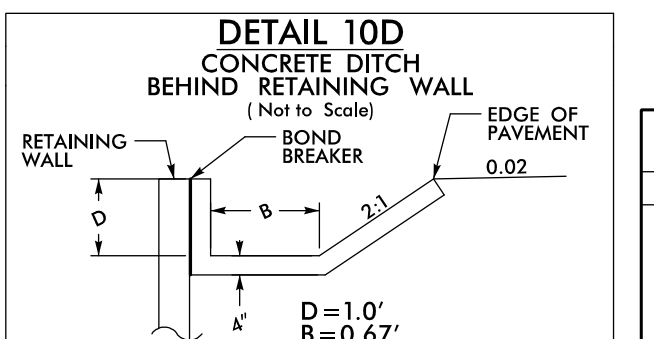
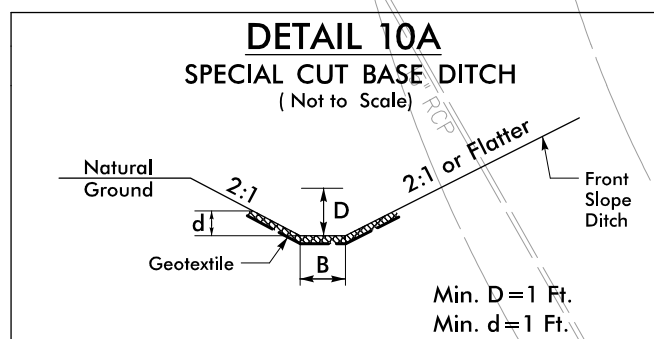
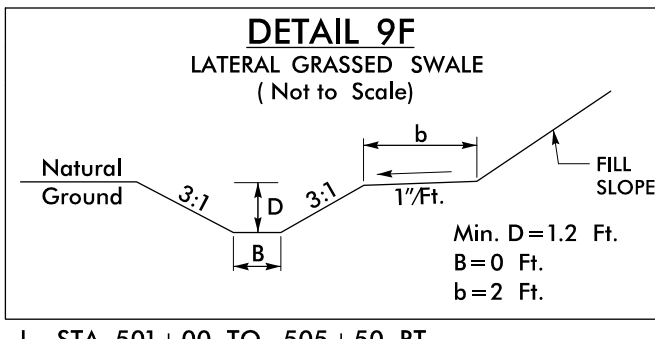
-L- TS Sta. 495+33.05

-Y3- PRC Sta. 12+94.92

END CONSTRUCTION
-Y3- STA. 13+00.00



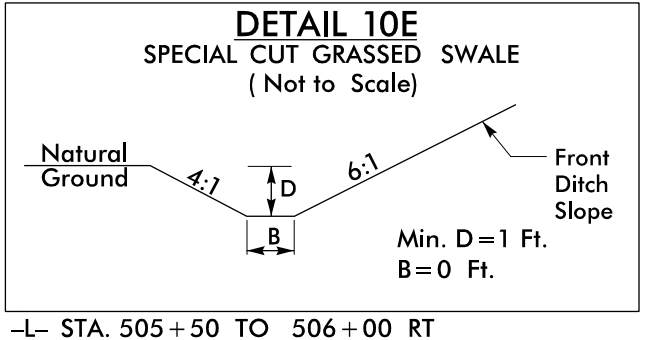
DAVID E & PATRICIA K TOWNSEND



IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

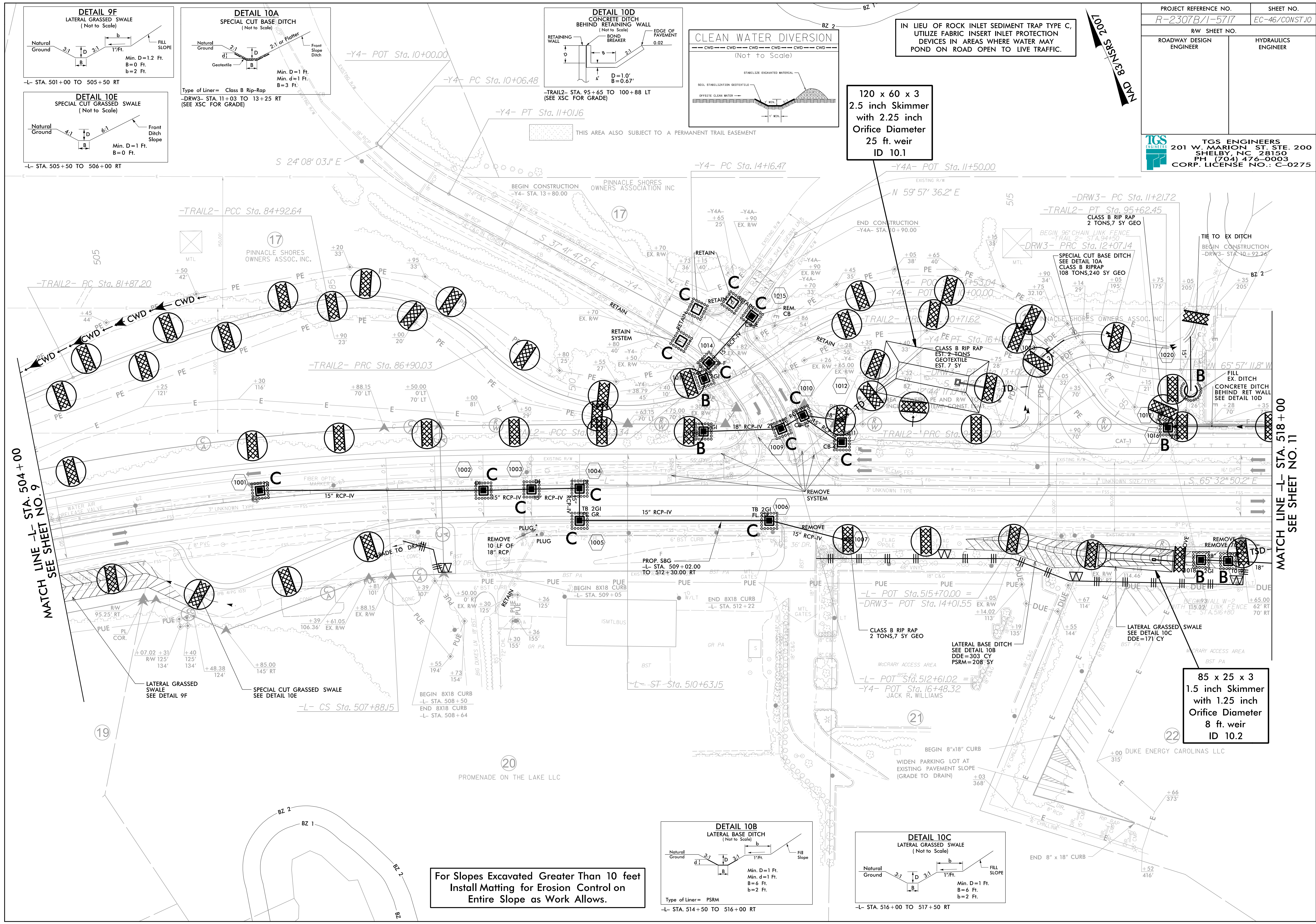
120 x 60 x 3
2.5 inch Skimmer
with 2.25 inch
Orifice Diameter
25 ft. weir
ID 10.1

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-46/CONST.10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

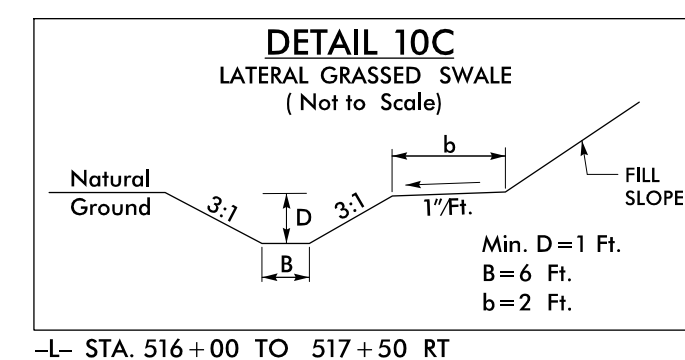
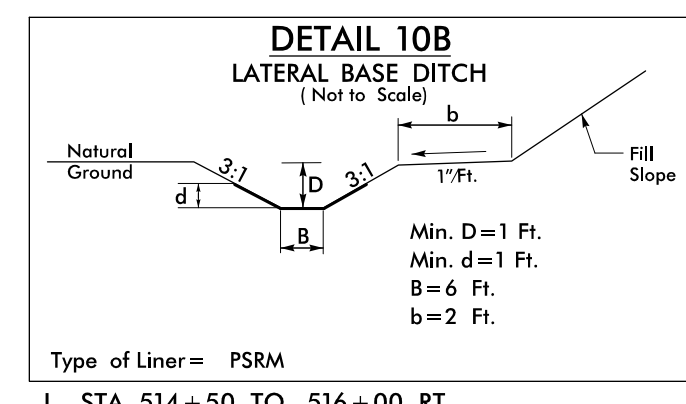


MATCH LINE -L- STA. 504+00
SEE SHEET NO. 9


MATCH LINE -L- STA. 518+00
SEE SHEET NO. 11

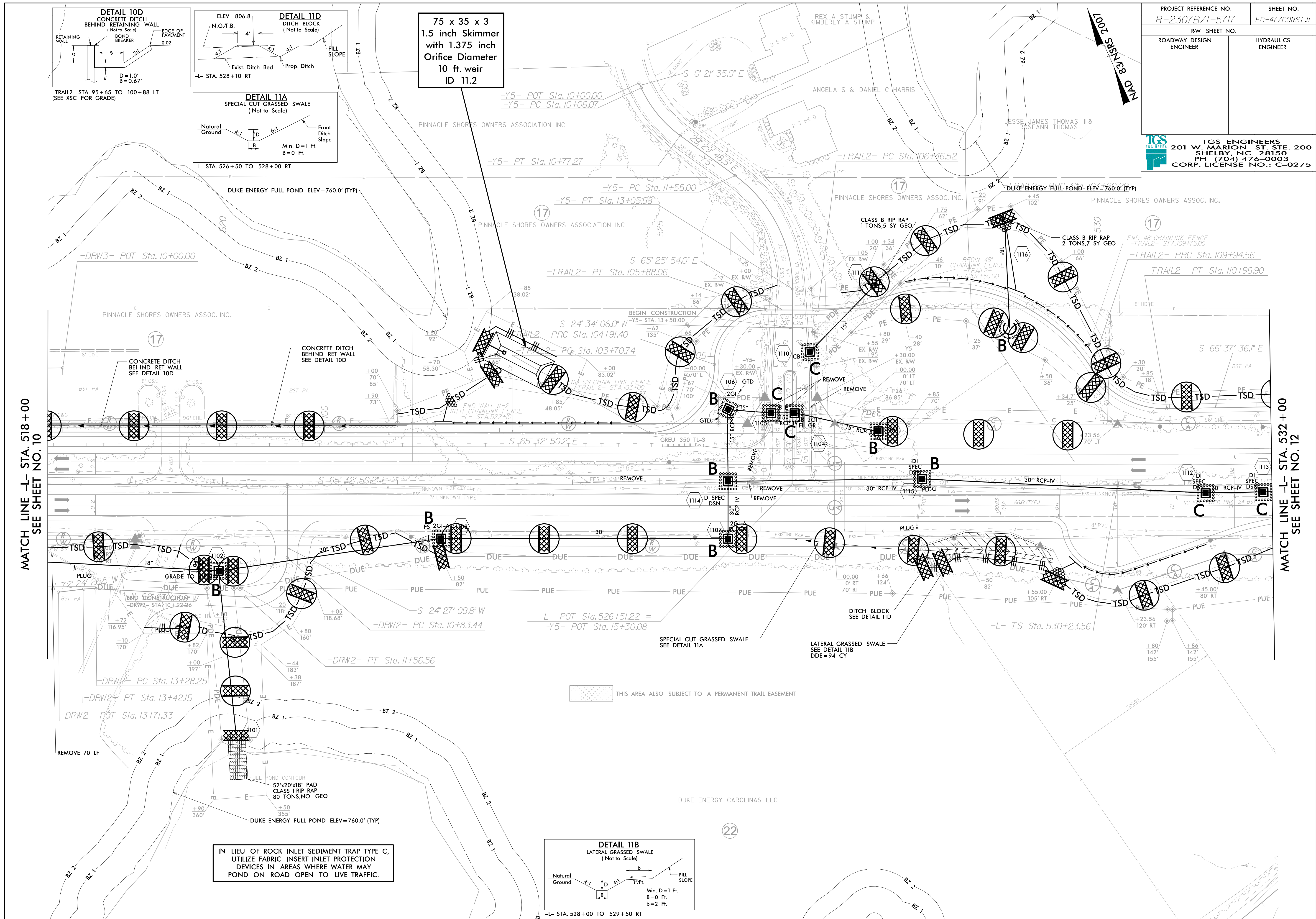


For Slopes Excavated Greater Than 10 feet
Install Matting for Erosion Control on
Entire Slope as Work Allows.



85 x 25 x 3
1.5 inch Skimmer
with 1.25 inch
Orifice Diameter
8 ft. weir
ID 10.2

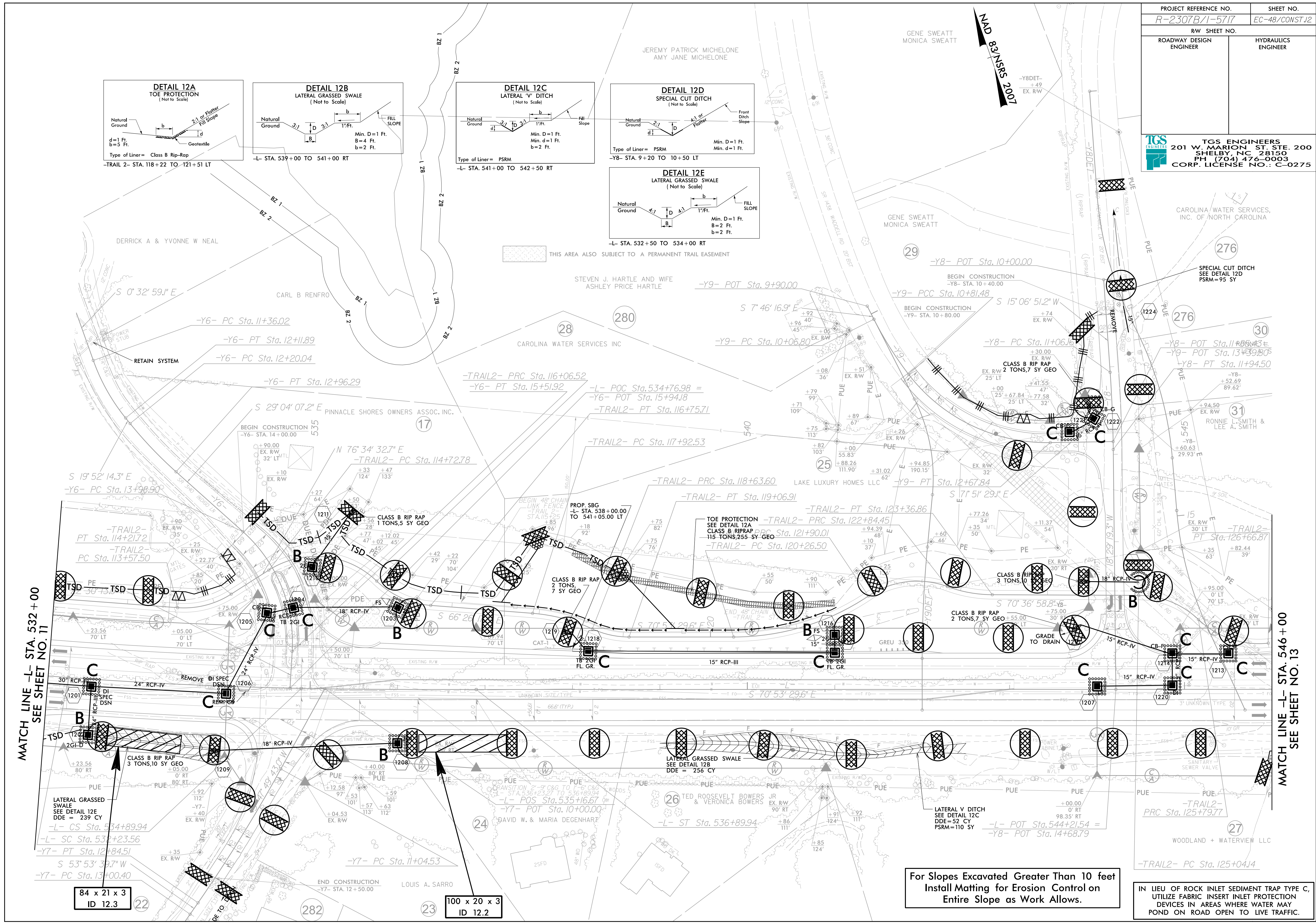
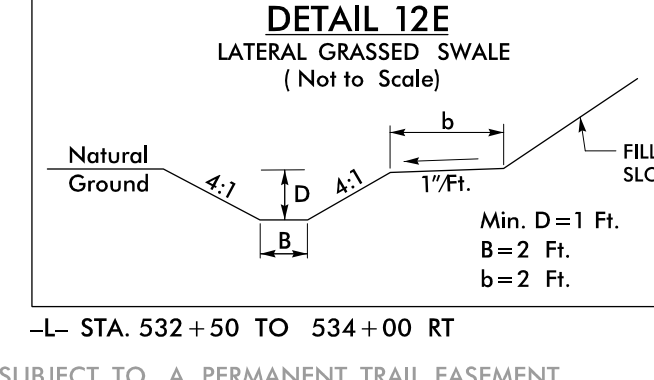
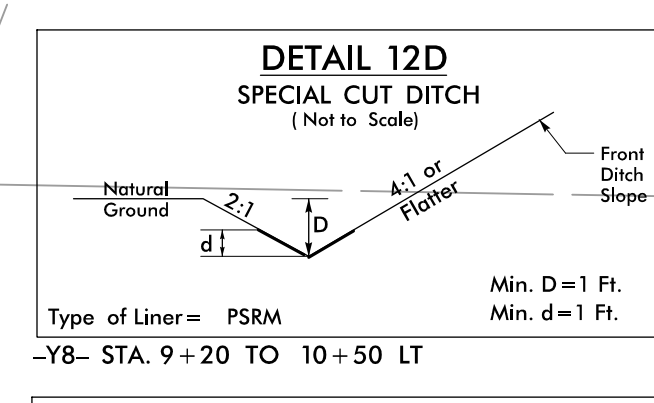
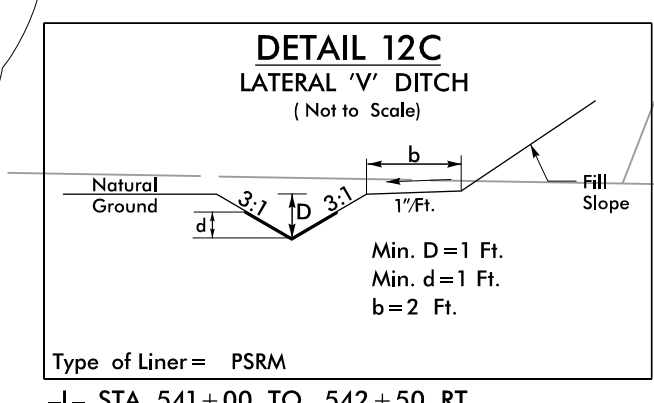
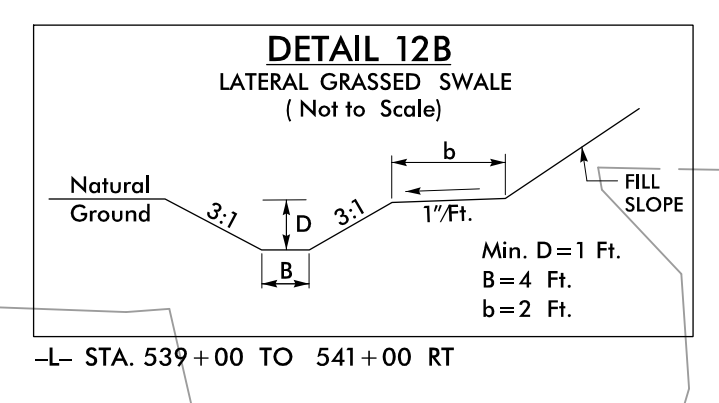
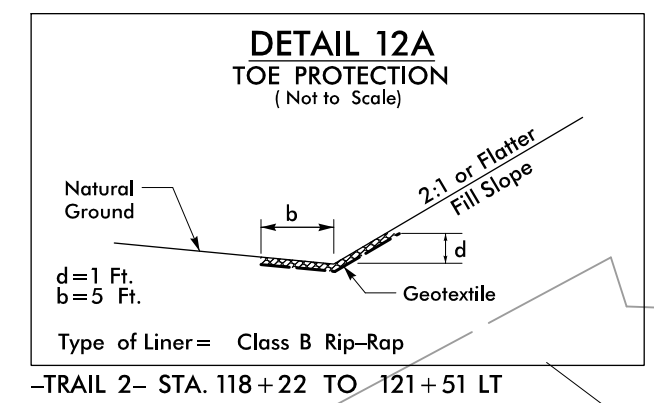
PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-47/CONST.11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



MATCH LINE -L- STA. 518 + 00
SEE SHEET NO. 10

MATCH LINE -L- STA. 532 + 00
SEE SHEET NO. 12

MAD 3/15/2017



MATCH LINE -L- STA. 532+00
SEE SHEET NO. 11

MATCH LINE -L- STA. 546+00
SEE SHEET NO. 13

84 x 21 x 3
ID 12.3

100 x 20 x 3
ID 12.2

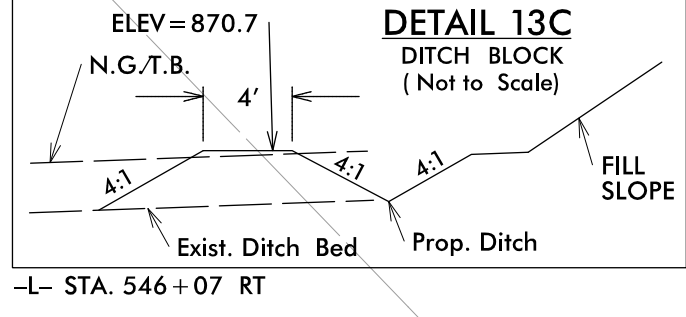
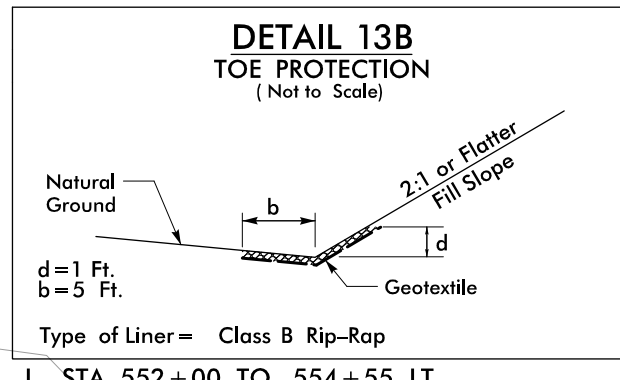
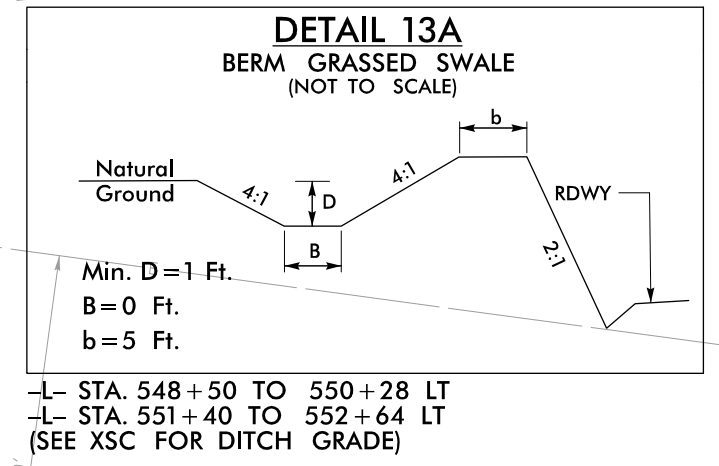
For Slopes Excavated Greater Than 10 feet
Install Matting for Erosion Control on
Entire Slope as Work Allows.

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C,
UTILIZE FABRIC INSERT INLET PROTECTION
DEVICES IN AREAS WHERE WATER MAY
POND ON ROAD OPEN TO LIVE TRAFFIC.

30 RONNIE L. SMITH
LEE A. SMITH

31

RONNIE L. SMITH & LEE A. SMITH

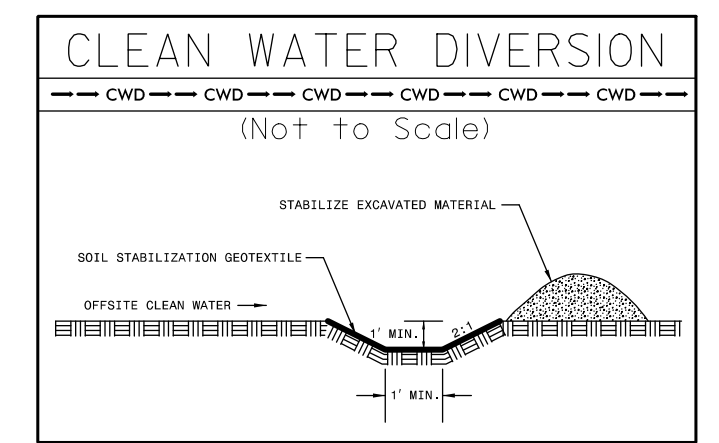
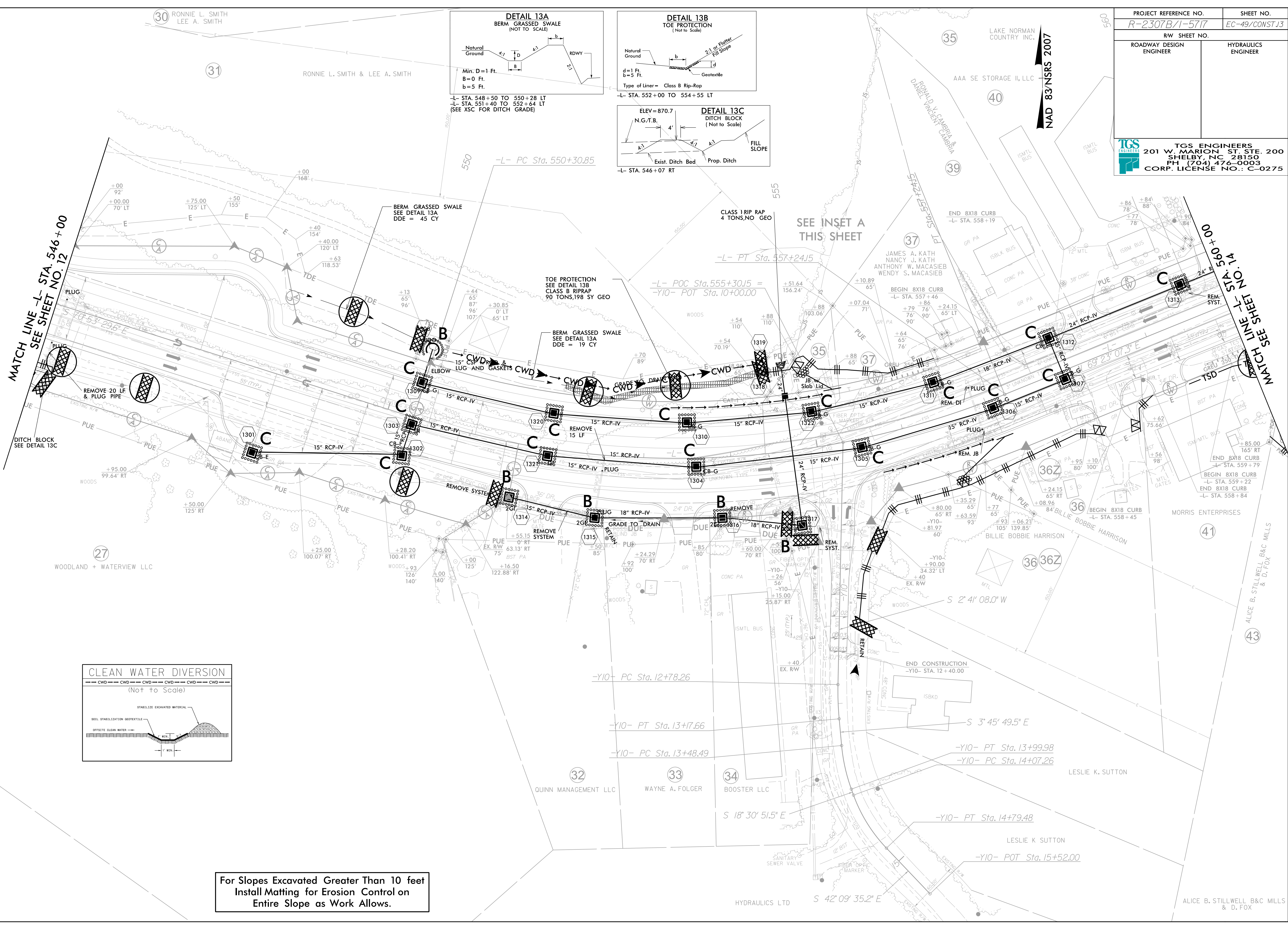


PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-49/CONST.13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

LAKE NORMAN COUNTRY INC.
AAA SE STORAGE II, LLC
NAD 83/NSRS 2007

MATCH LINE -L- STA. 546+00
SEE SHEET NO. 12

MATCH LINE -L- STA. 549+50
SEE SHEET NO. 13



For Slopes Excavated Greater Than 10 feet
Install Matting for Erosion Control on
Entire Slope as Work Allows.

32 QUINN MANAGEMENT LLC

33 WAYNE A. FOLGER

34 BOOSTER LLC

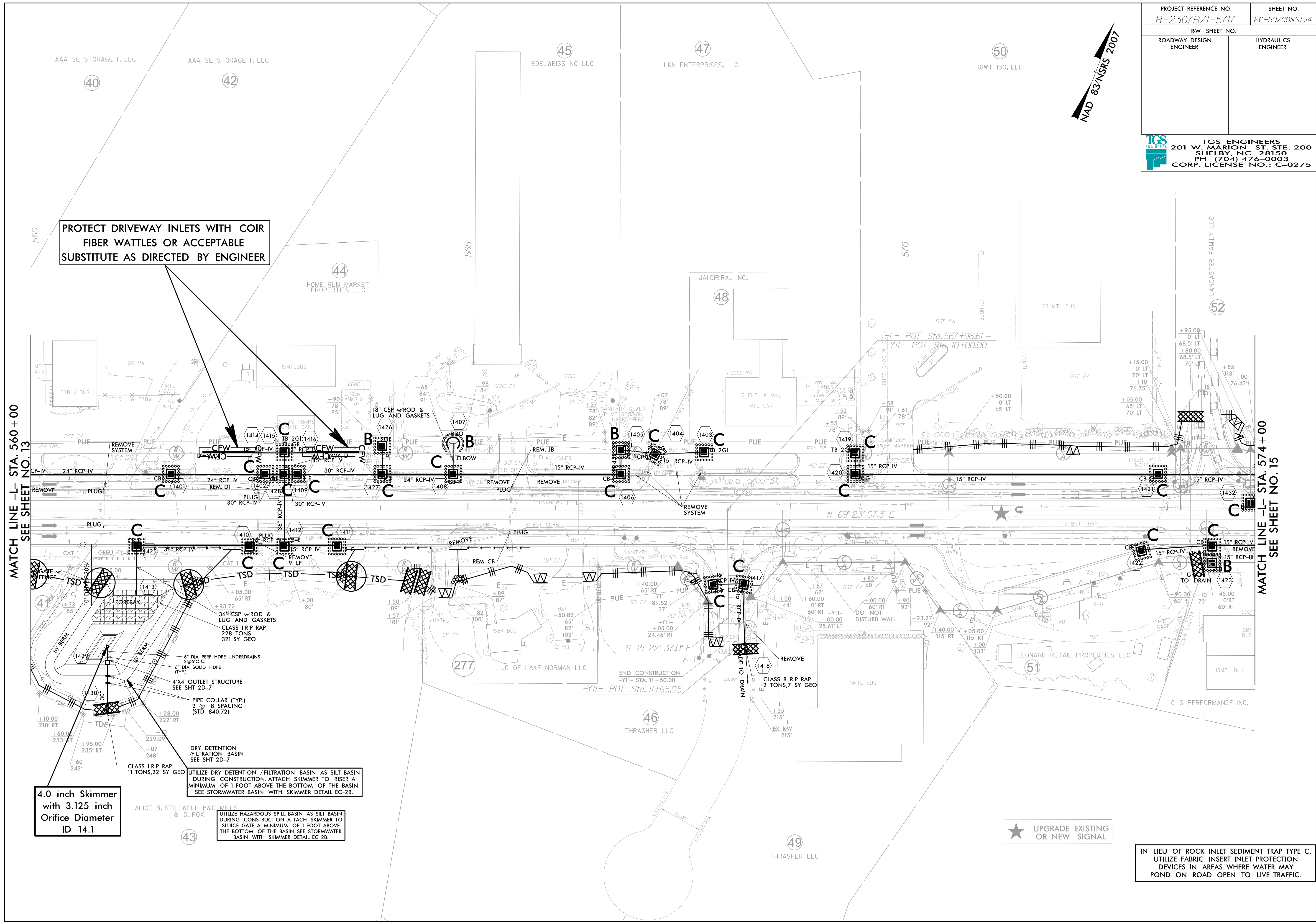
LESLIE K. SUTTON

ALICE B. STILLWELL B&C MILLS & D. FOX

HYDRAULICS LTD

ALICE B. STILLWELL B&C MILLS & D. FOX

NAD 83 NSRS 2007



PROTECT DRIVEWAY INLETS WITH COIR FIBER WATTLES OR ACCEPTABLE SUBSTITUTE AS DIRECTED BY ENGINEER

MATCH LINE -L- STA. 560+00
SEE SHEET NO. 13

MATCH LINE -L- STA. 574+00
SEE SHEET NO. 15

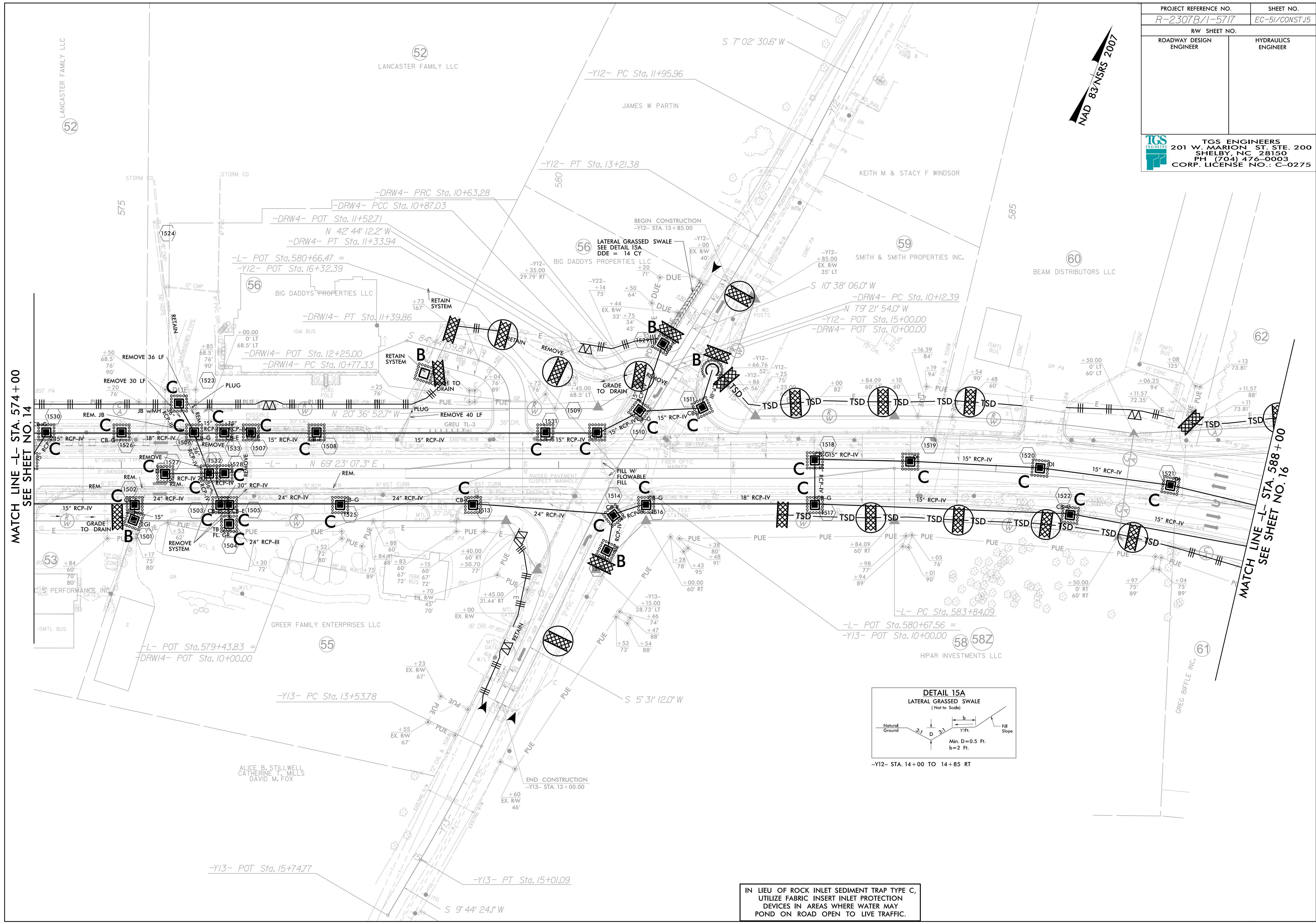
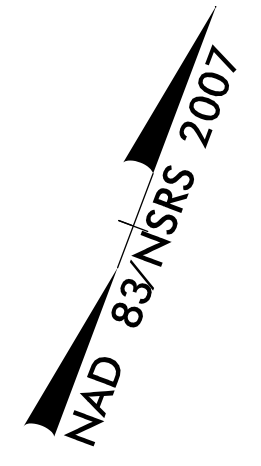
4.0 inch Skimmer with 3.125 inch Orifice Diameter ID 14.1

UTILIZE DRY DETENTION / FILTRATION BASIN AS SILT BASIN DURING CONSTRUCTION. ATTACH SKIMMER TO RISER A MINIMUM OF 1 FOOT ABOVE THE BOTTOM OF THE BASIN. SEE STORMWATER BASIN WITH SKIMMER DETAIL EC-28.

UTILIZE HAZARDOUS SPILL BASIN AS SILT BASIN DURING CONSTRUCTION. ATTACH SKIMMER TO SLUICE GATE A MINIMUM OF 1 FOOT ABOVE THE BOTTOM OF THE BASIN. SEE STORMWATER BASIN WITH SKIMMER DETAIL EC-28.

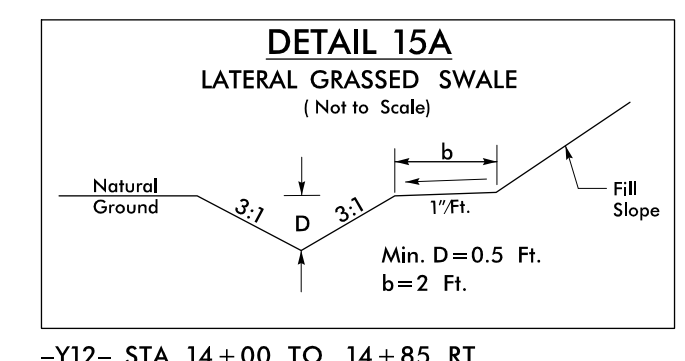
★ UPGRADE EXISTING OR NEW SIGNAL

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.




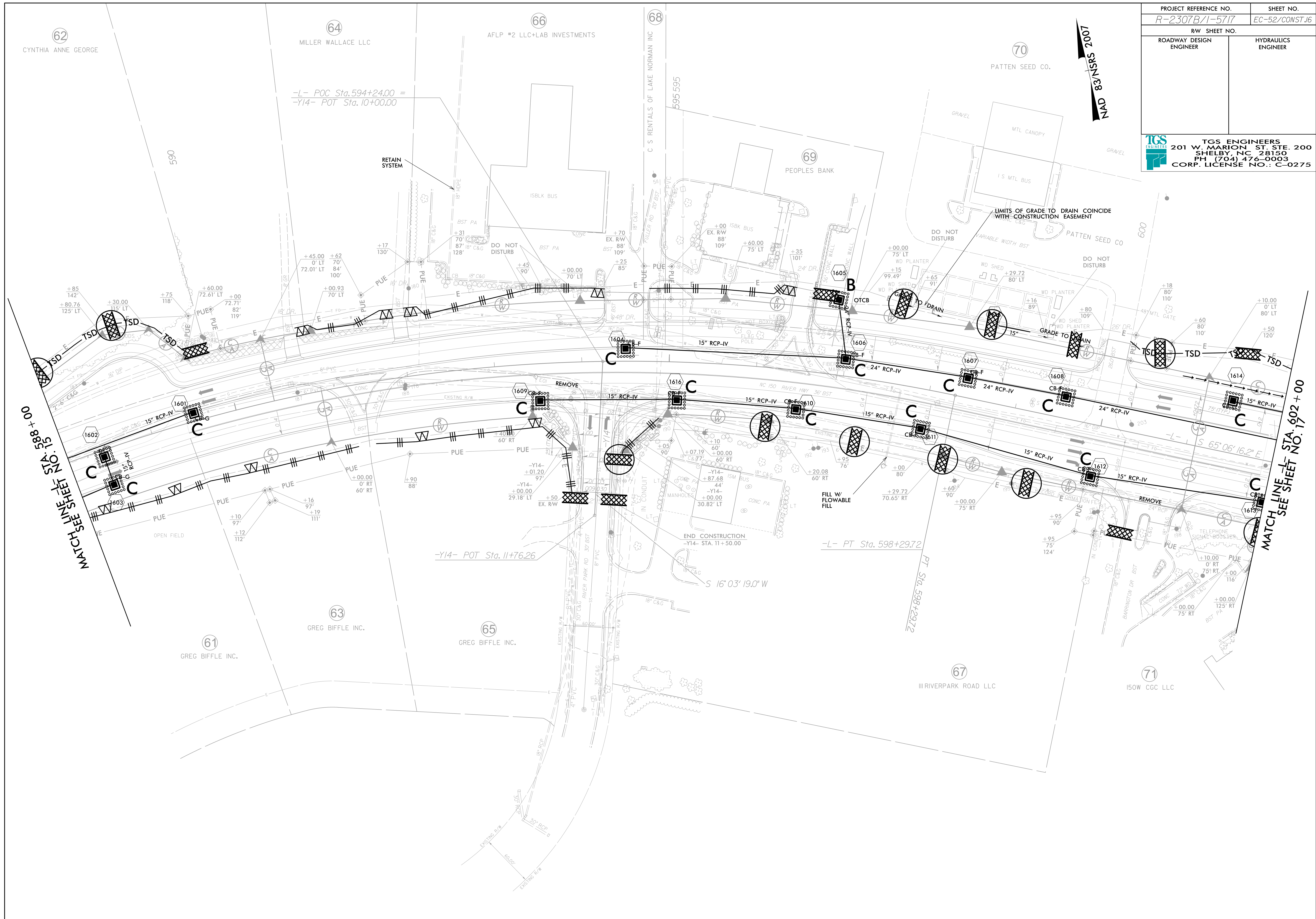
MATCH LINE -L- STA. 574+00
SEE SHEET NO. 14

MATCH LINE -L- STA. 588+00
SEE SHEET NO. 16



IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C,
UTILIZE FABRIC INSERT INLET PROTECTION
DEVICES IN AREAS WHERE WATER MAY
POND ON ROAD OPEN TO LIVE TRAFFIC.

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-52/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



NAD 83/NSRS 2007

MATCH SHEET NO. 15 STA. 588+00

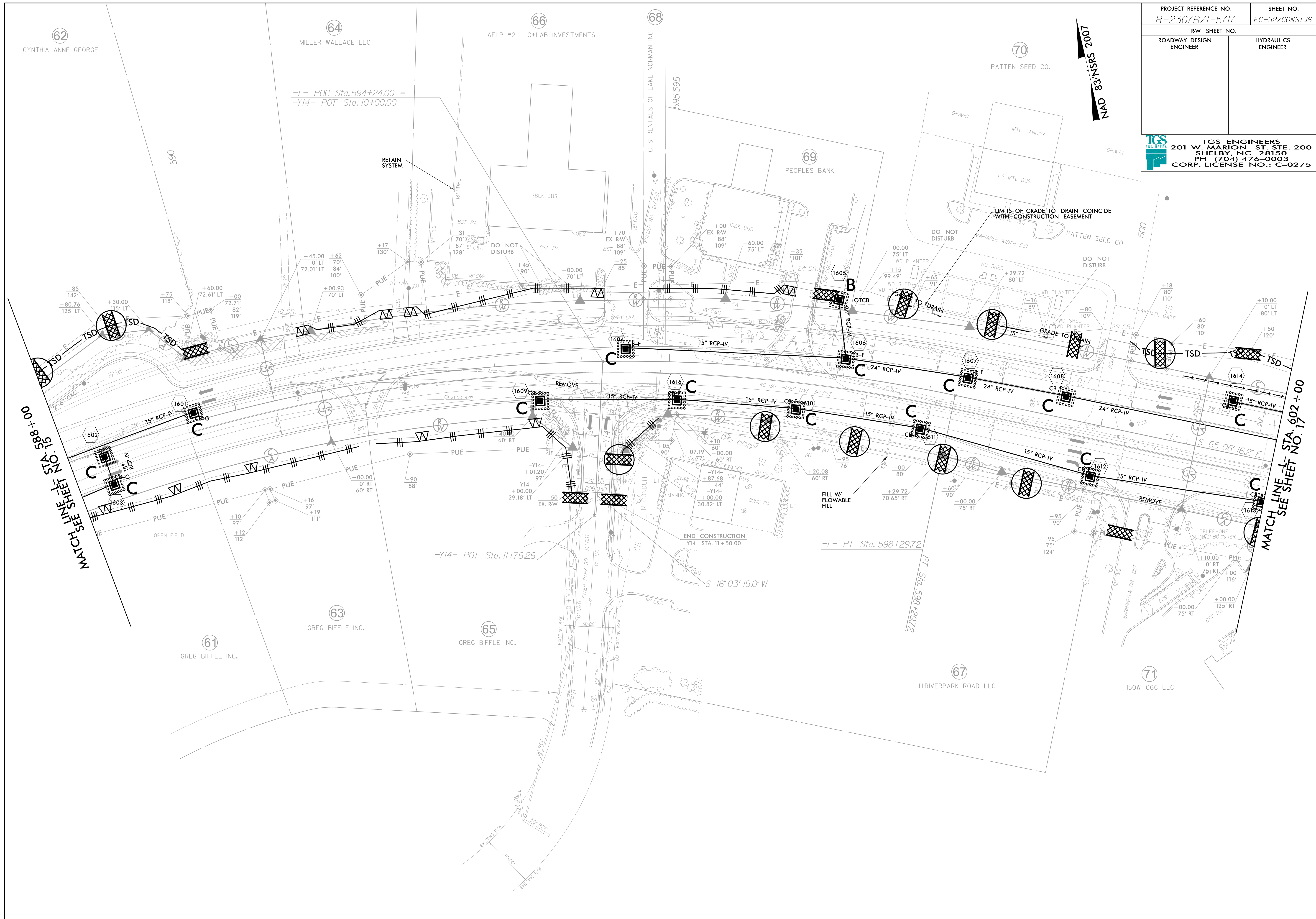
MATCH LINE - STA. 602+00
SEE SHEET NO. 17

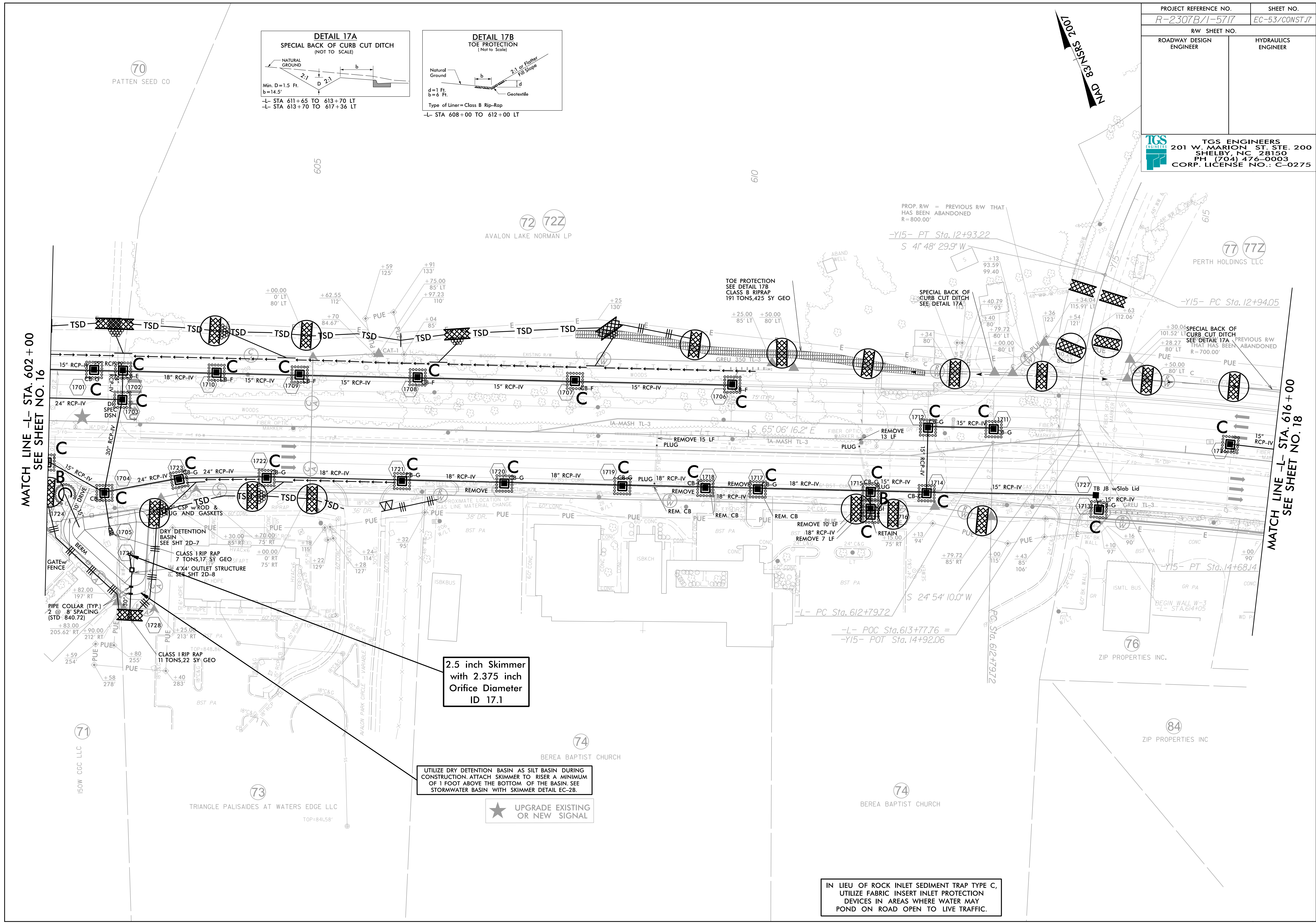
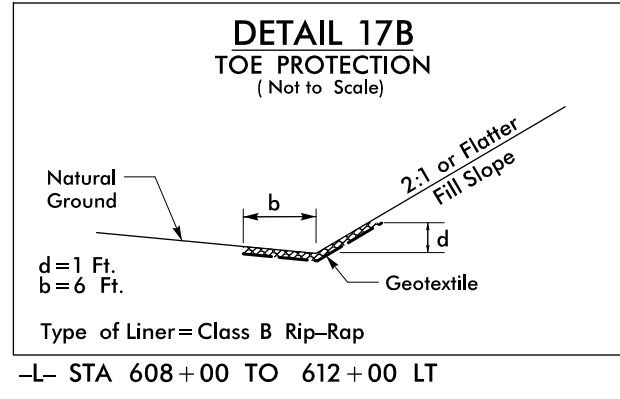
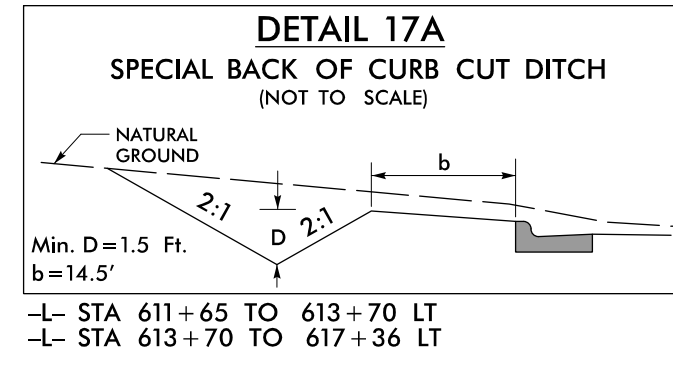
-L- POC Sta. 594+24.00 =
-Y14- POT Sta. 10+00.00

-Y14- POT Sta. 11+76.26

-L- PT Sta. 598+29.72

END CONSTRUCTION
-Y14- STA. 11+50.00





MATCH LINE -L- STA. 602 + 00
SEE SHEET NO. 16

MATCH LINE -L- STA. 616 + 00
SEE SHEET NO. 18


**2.5 inch Skimmer
with 2.375 inch
Orifice Diameter
ID 17.1**

UTILIZE DRY DETENTION BASIN AS SILT BASIN DURING CONSTRUCTION. ATTACH SKIMMER TO RISER A MINIMUM OF 1 FOOT ABOVE THE BOTTOM OF THE BASIN. SEE STORMWATER BASIN WITH SKIMMER DETAIL EC-2B.

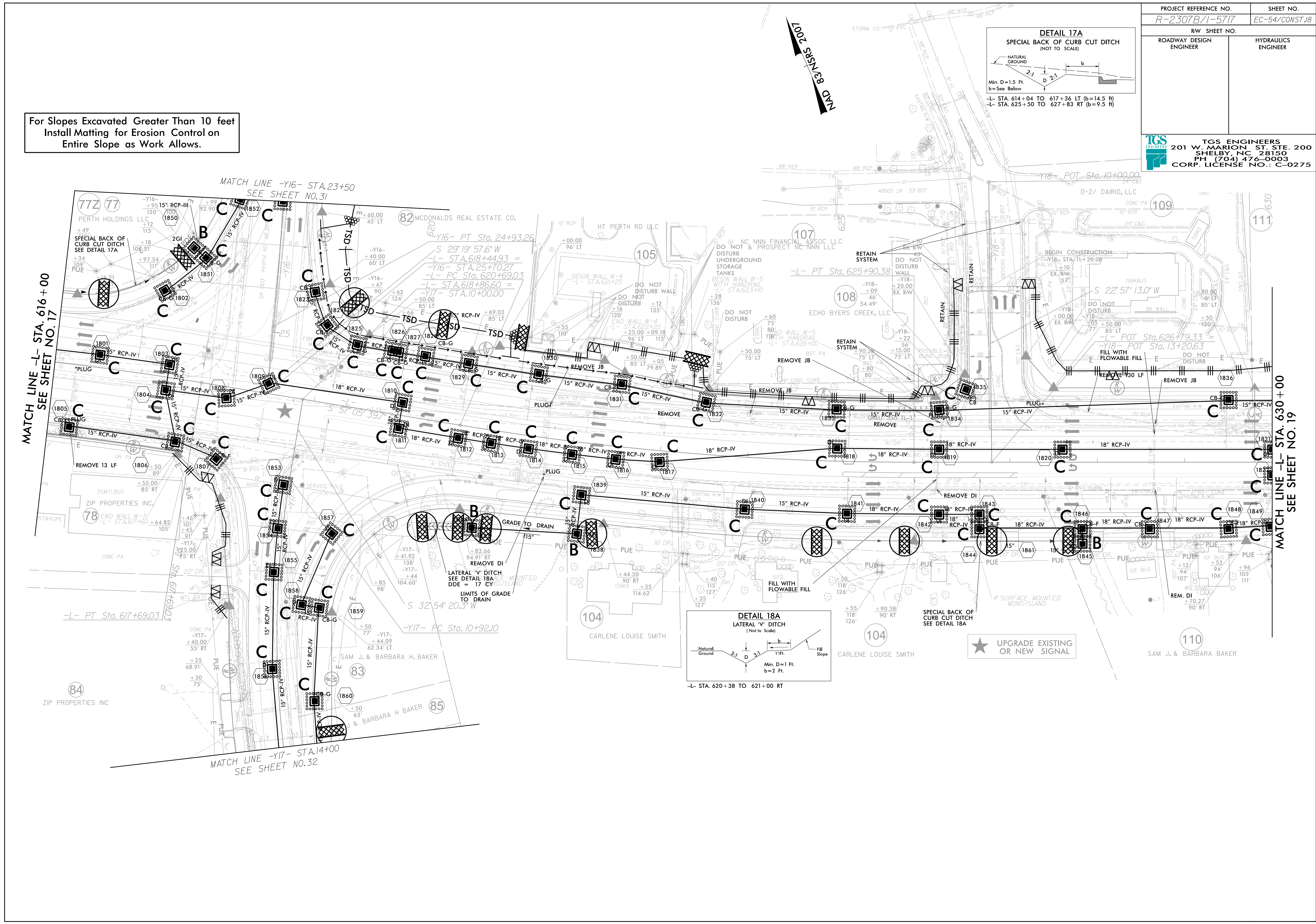
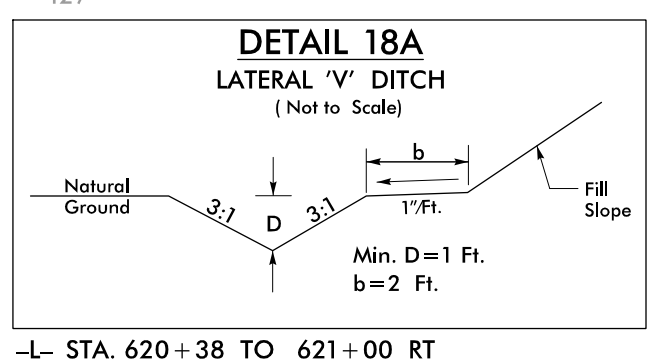
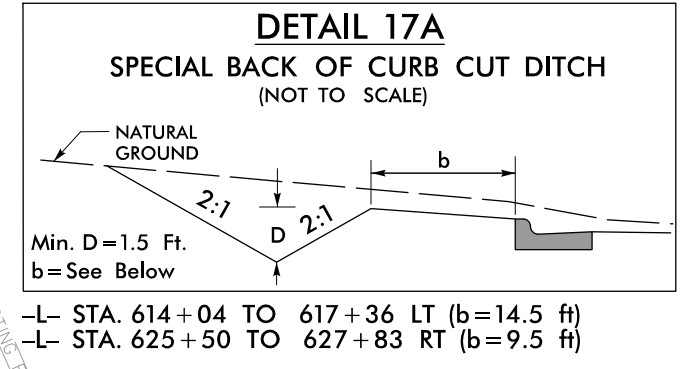
★ UPGRADE EXISTING OR NEW SIGNAL

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C, UTILIZE FABRIC INSERT INLET PROTECTION DEVICES IN AREAS WHERE WATER MAY POND ON ROAD OPEN TO LIVE TRAFFIC.

NAD 83 NTS 2011

PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-54/CONST.18
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	

For Slopes Excavated Greater Than 10 feet
Install Matting for Erosion Control on
Entire Slope as Work Allows.



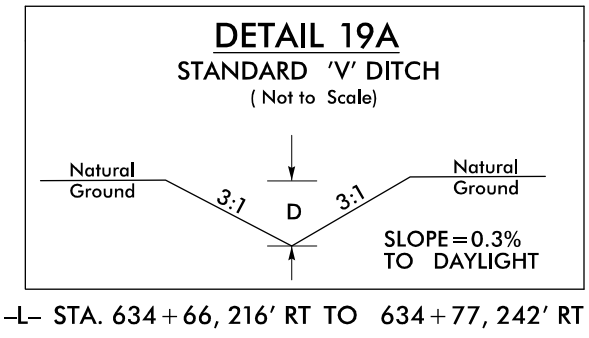
MATCH LINE -L- STA. 616+00
SEE SHEET NO. 17

MATCH LINE -Y16- STA. 23+50
SEE SHEET NO. 31

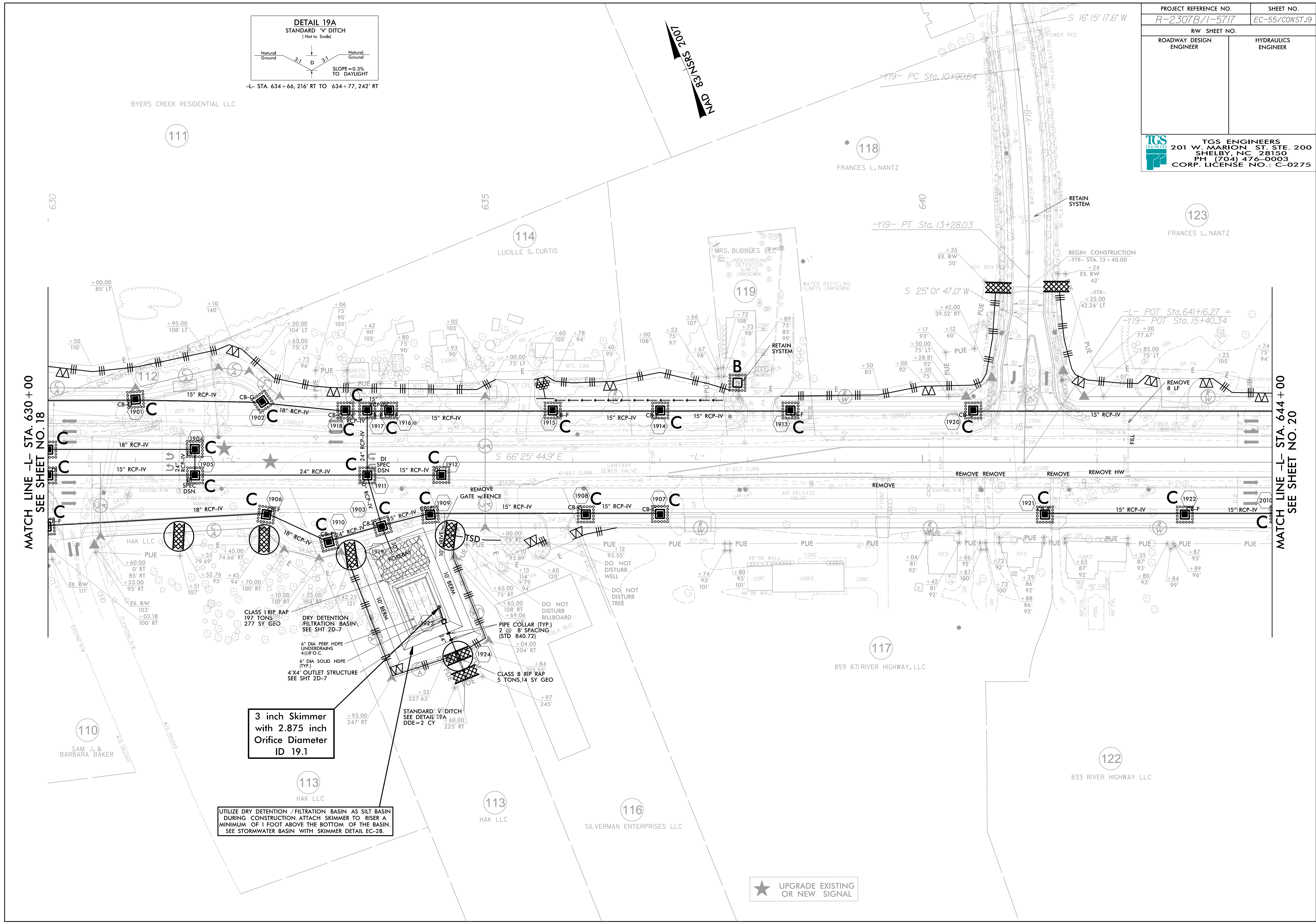
MATCH LINE -Y17- STA. 14+00
SEE SHEET NO. 32

MATCH LINE -L- STA. 630+00
SEE SHEET NO. 19

★ UPGRADE EXISTING OR NEW SIGNAL



PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-55/CONST.19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



MATCH LINE -L- STA. 630 + 00
SEE SHEET NO. 18

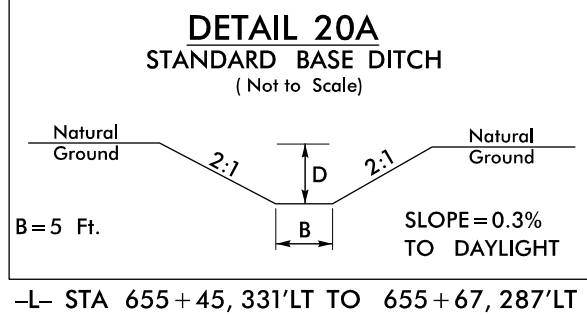
MATCH LINE -L- STA. 644 + 00
SEE SHEET NO. 20

**3 inch Skimmer
with 2.875 inch
Orifice Diameter
ID 19.1**

UTILIZE DRY DETENTION / FILTRATION BASIN AS SILT BASIN DURING CONSTRUCTION. ATTACH SKIMMER TO RISER A MINIMUM OF 1 FOOT ABOVE THE BOTTOM OF THE BASIN. SEE STORMWATER BASIN WITH SKIMMER DETAIL EC-28.

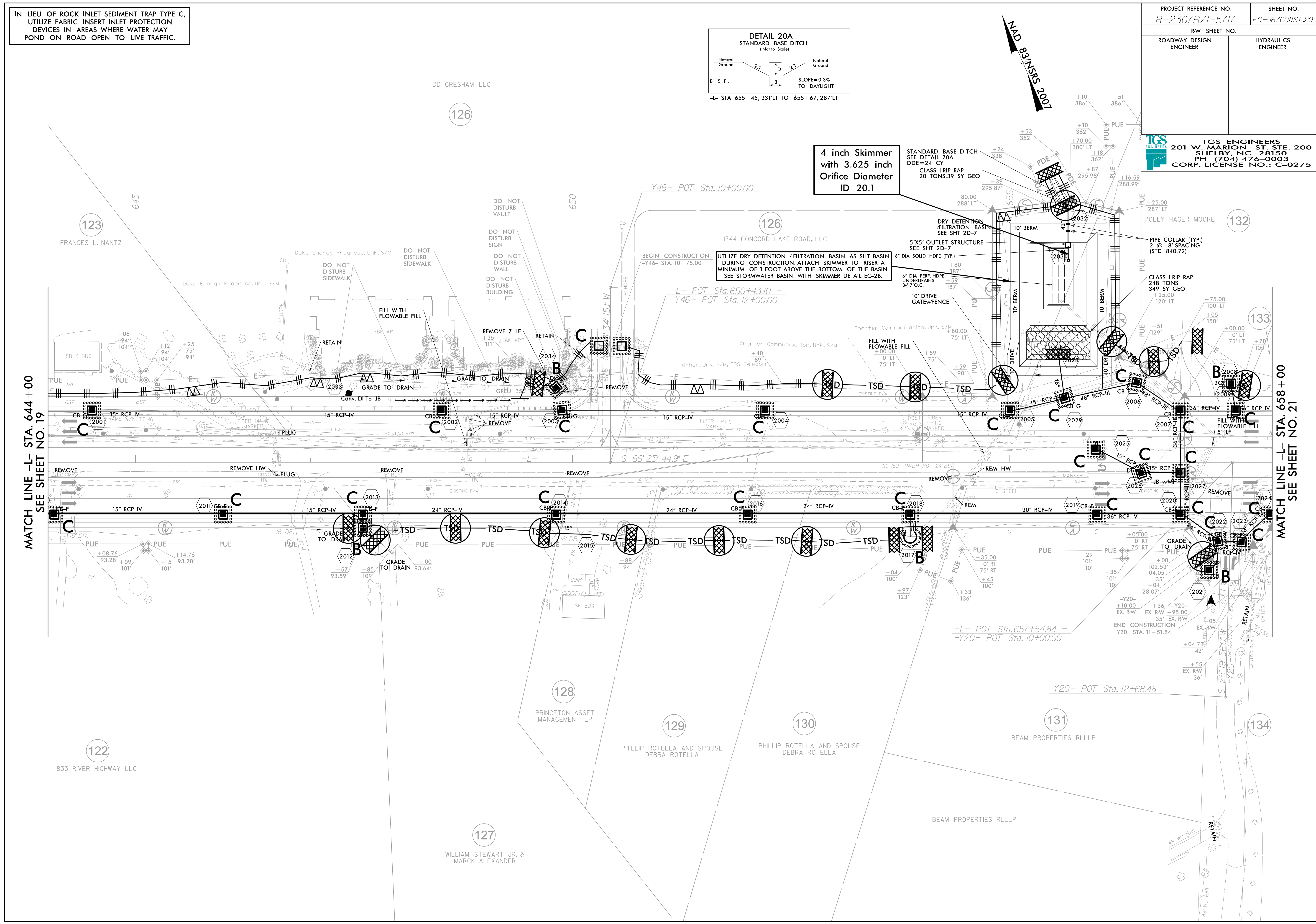
★ UPGRADE EXISTING OR NEW SIGNAL

IN LIEU OF ROCK INLET SEDIMENT TRAP TYPE C,
UTILIZE FABRIC INSERT INLET PROTECTION
DEVICES IN AREAS WHERE WATER MAY
POND ON ROAD OPEN TO LIVE TRAFFIC.



PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-56/CONST.20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TGS ENGINEERS
201 W. MARION ST. STE. 200
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275



MATCH LINE -L- STA. 644 + 00
SEE SHEET NO. 19

MATCH LINE -L- STA. 658 + 00
SEE SHEET NO. 21

UTILIZE DRY DETENTION / FILTRATION BASIN AS SILT BASIN
DURING CONSTRUCTION. ATTACH SKIMMER TO RISER A
MINIMUM OF 1 FOOT ABOVE THE BOTTOM OF THE BASIN.
SEE STORMWATER BASIN WITH SKIMMER DETAIL EC-2B.

4 inch Skimmer
with 3.625 inch
Orifice Diameter
ID 20.1

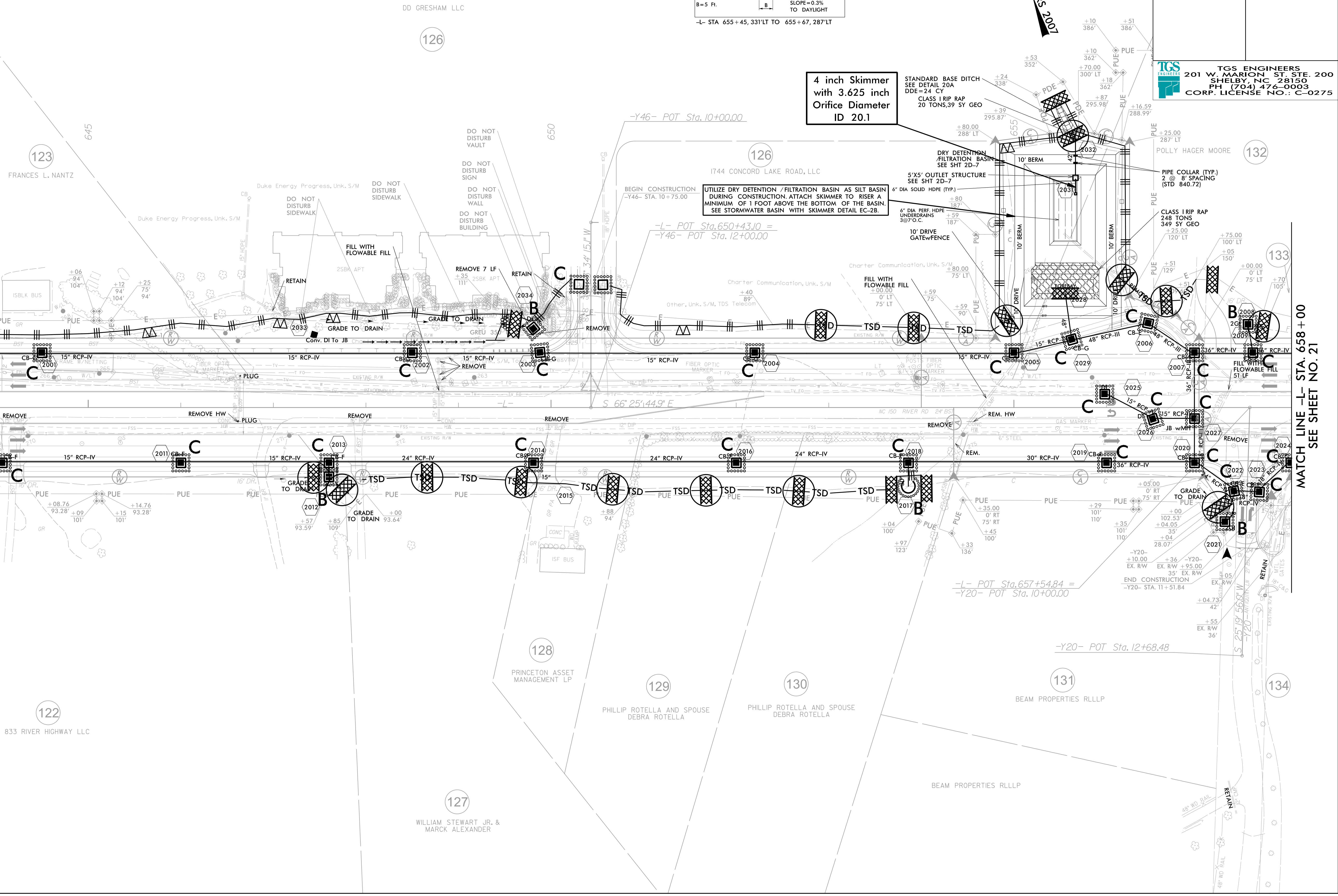
STANDARD BASE DITCH
SEE DETAIL 20A
DDE=24 CY
CLASS I RIP RAP
20 TONS, 39 SY GEO


DRY DETENTION / FILTRATION BASIN
SEE SHT 2D-7
5'X5' OUTLET STRUCTURE
6" DIA SOLID HDPE (TYP.)
6" DIA PERF. HDPE UNDERDRAINS
387' C.C.
10' DRIVE GATE/FENCE

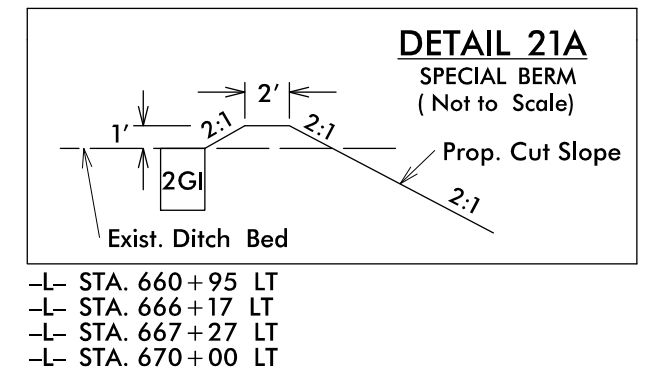
PIPE COLLAR (TYP.)
2 @ 8' SPACING
(STD 840.72)
CLASS I RIP RAP
248 TONS
349 SY GEO

-L- POT Sta. 657+54.84 =
-Y20- POT Sta. 10+00.00

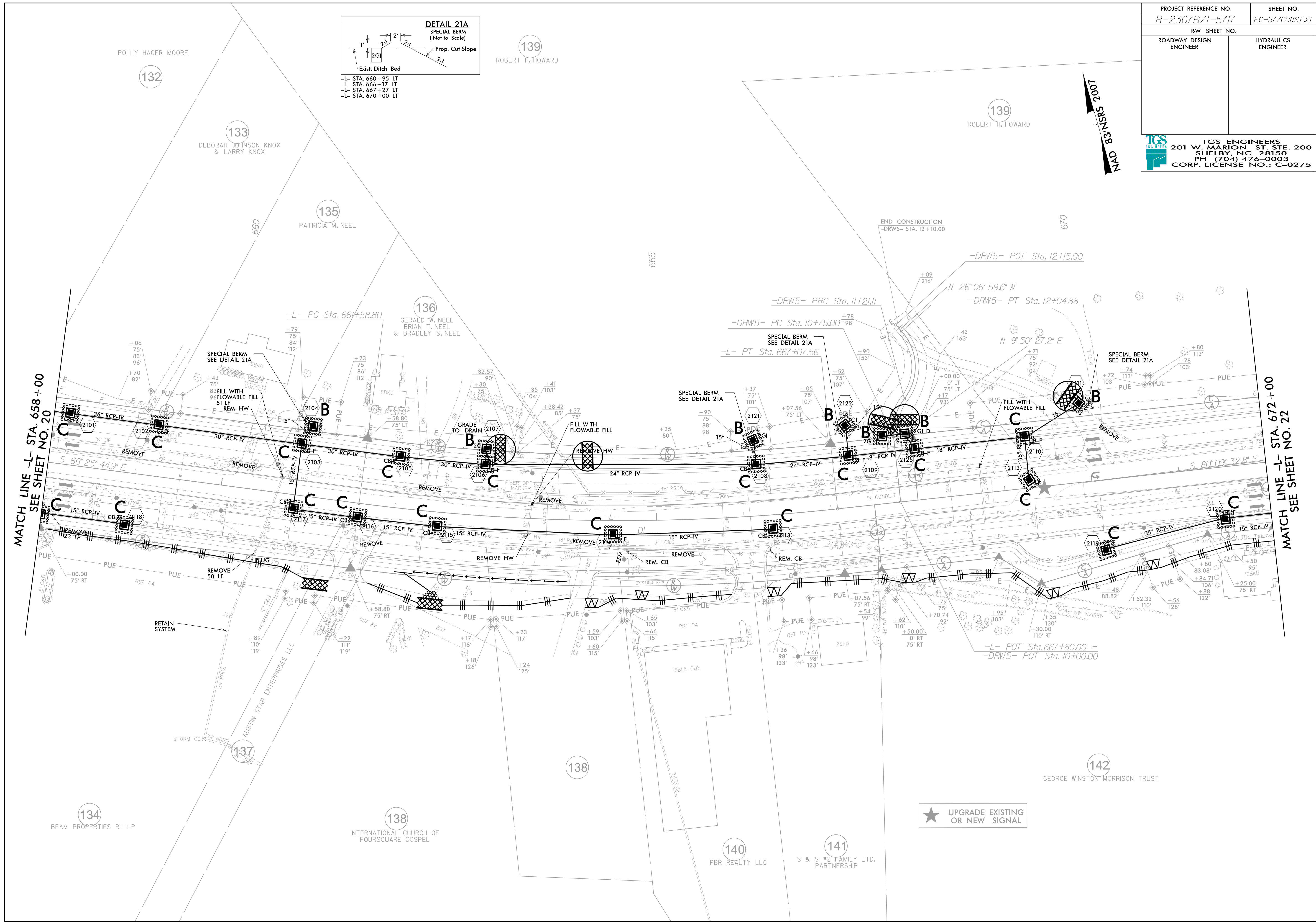
-Y20- POT Sta. 12+68.48



PROJECT REFERENCE NO. R-2307B/1-5717	SHEET NO. EC-57/CONST.21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
 TGS ENGINEERS 201 W. MARION ST. STE. 200 SHELBY, NC 28150 PH (704) 476-0003 CORP. LICENSE NO.: C-0275	



- L- STA. 660+95 LT
- L- STA. 666+17 LT
- L- STA. 667+27 LT
- L- STA. 670+00 LT



MATCH LINE -L- STA. 658+00
SEE SHEET NO. 20

MATCH LINE -L- STA. 672+00
SEE SHEET NO. 22

★ UPGRADE EXISTING OR NEW SIGNAL

POLLY HAGER MOORE

132

133
DEBORAH JOHNSON KNOX
& LARRY KNOX

135
PATRICIA M. NEEL

136
GERALD W. NEEL
BRIAN T. NEEL
& BRADLEY S. NEEL

139
ROBERT H. HOWARD

139
ROBERT H. HOWARD

NAD 83 NSRS 2007

134
BEAM PROPERTIES RLLLP

138
INTERNATIONAL CHURCH OF
FOURSQUARE GOSPEL

138

140
PBR REALTY LLC

141
S & S #2 FAMILY LTD.
PARTNERSHIP

142
GEORGE WINSTON MORRISON TRUST

END CONSTRUCTION
-DRW5- STA. 12+10.00

-DRW5- POT Sta. 12+15.00

-DRW5- PRC Sta. 11+21.11

-DRW5- PT Sta. 12+04.88

-L- PT Sta. 667+07.56

-L- PC Sta. 66+58.80

-L- POT Sta. 667+80.00 =
-DRW5- POT Sta. 10+00.00

S 66° 25' 44.9" E

S 80° 09' 32.8" E

24" HDPE

24" HDPE

24" HDPE

24" HDPE

24" HDPE

24" HDPE

24" HDPE

24" HDPE